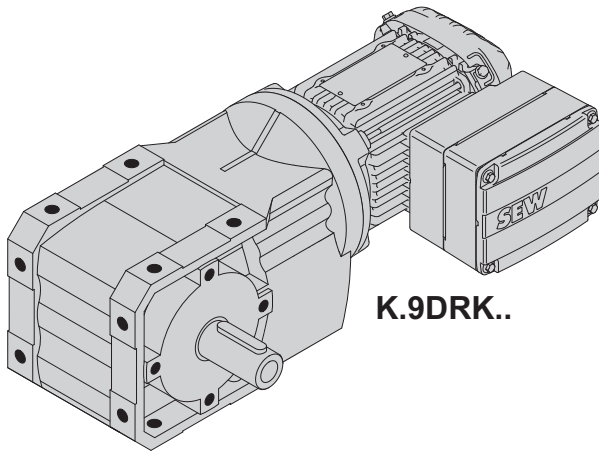
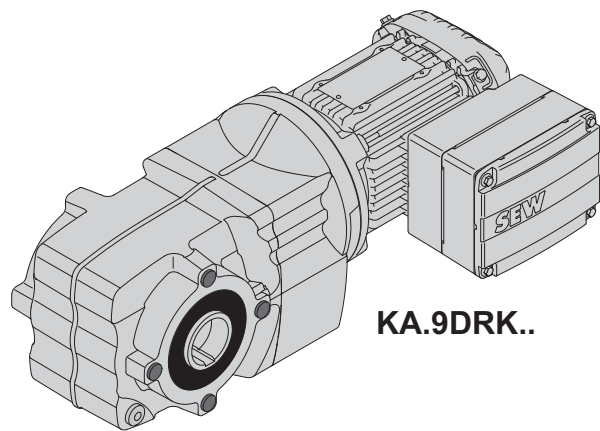


10 Kegelrad-Getriebemotoren

10.1 Ausführungsarten K..DRK..

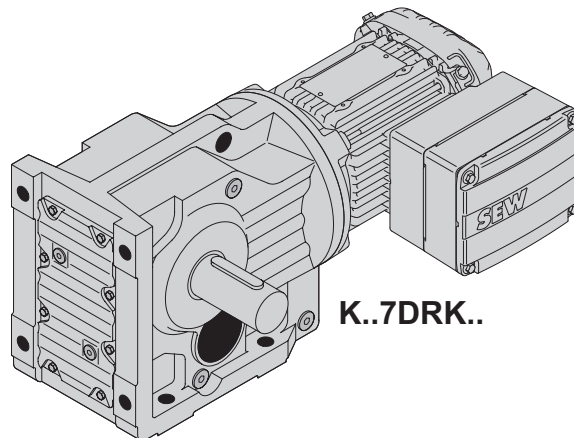


K.9DRK..

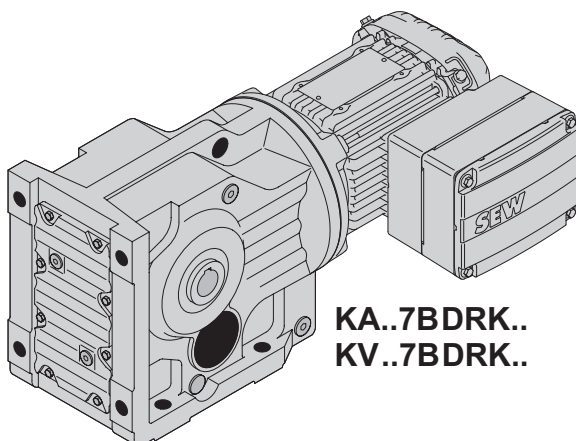


KA.9DRK..

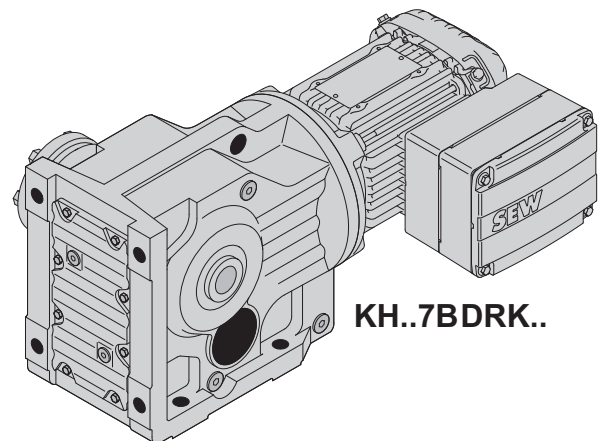
10



K..7DRK..

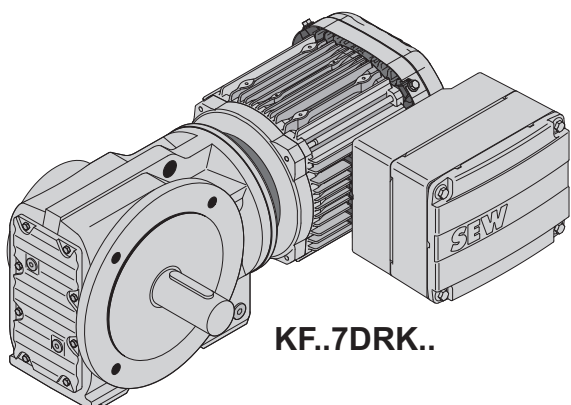
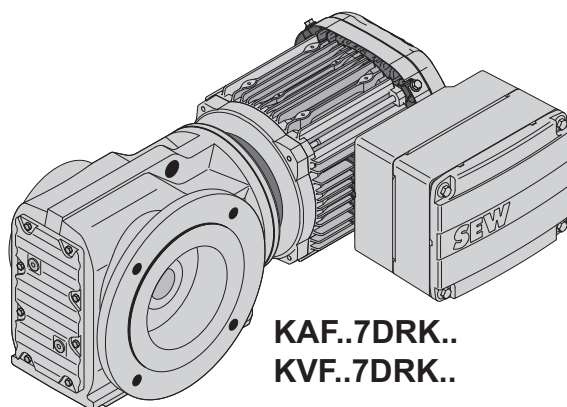
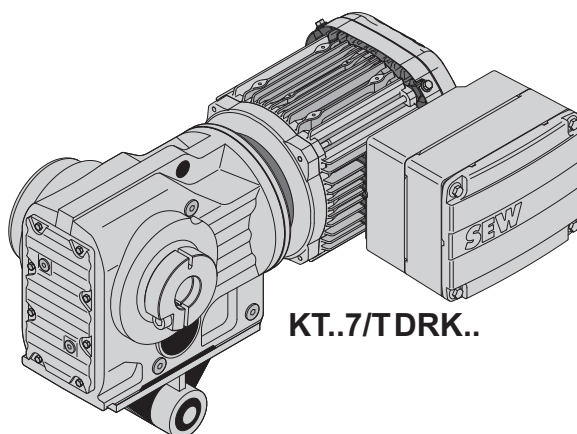
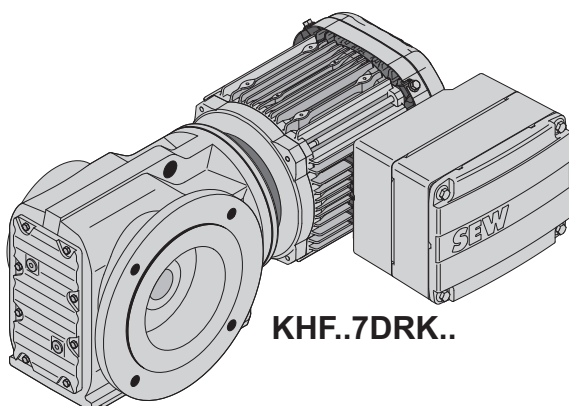
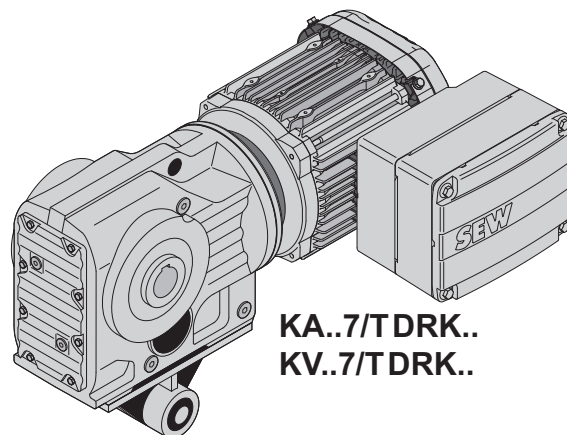


KA..7BDRK..
KV..7BDRK..

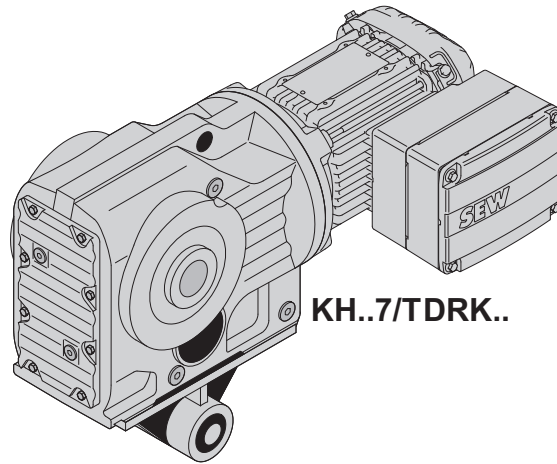


KH..7BDRK..

11950706187

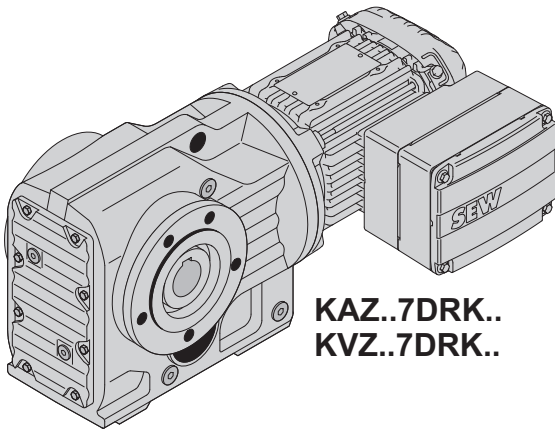
**KF..7DRK..****KAF..7DRK..
KVF..7DRK..****KT..7/TDRK..****KHF..7DRK..****KA..7/TDRK..
KV..7/TDRK..**

11950704267

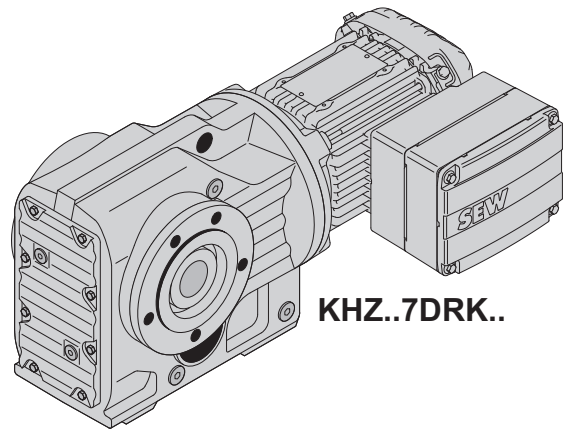


KH..7/TDRK..

10



**KAZ..7DRK..
KVZ..7DRK..**



KHZ..7DRK..

11950702347

10.2 Geometrisch mögliche Kombinationen K..DRK..

K19, $n_e=1400$ 1/min						80 Nm	
n_a rpm	M_{amax} Nm	F_{Ra} N	$\varphi_{(R)}$ °	i	ER63S ER63M DRK71S DRK71M	DRK80S DRK80M DRK90M	
 2							
24	70	4330	-	58.68			
26	70	4330	-	53.88			
28	70	4330	-	49.69			
31	69	4340	-	44.48			
34	67	4350	-	40.63			
41	64	4370	-	34.29			
44	80	4260	-	31.74			
48	61	4200	-	29.29			
48	80	4120	-	29.14			
52	60	4090	-	27.16			
52	80	3990	-	26.88			
58	80	3820	-	24.06			
64	80	3680	-	21.98			
75	80	3430	-	18.55			
88	80	3210	-	15.84			
95	80	3110	-	14.69			
110	80	2930	-	12.70			
118	79	2850	-	11.84			
136	76	2720	-	10.32			
146	63	2910	-	9.58			
173	80	2590	-	8.09			
203	80	2420	-	6.91			
218	80	2340	-	6.41			
253	80	2200	-	5.54			
271	80	2140	-	5.16			
311	80	2010	-	4.50			

K29, $n_e=1400$ 1/min						130 Nm	
n_a rpm	M_{amax} Nm	F_{Ra} N	$\varphi_{(R)}$ °	i	ER63S ER63M DRK71S DRK71M	DRK80S DRK80M DRK90M	DRK90L
 2							
19	130	4980	-	71.93			
21	130	4980	-	66.25			
23	130	4980	-	61.28			
26	130	4980	-	54.89			
28	130	4980	-	50.35			
33	128	4790	-	42.87			
36	130	4720	-	38.90			
38	122	4560	-	36.96			
39	130	4560	-	35.83			
42	130	4410	-	33.15			
46	115	4250	-	30.11			
47	130	4210	-	29.69			
51	130	4060	-	27.23			
56	109	3980	-	24.91			

K29, $n_e=1400$ 1/min					130 Nm		
n_a rpm	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	ER63S ER63M DRK71S DRK71M	DRK80S DRK80M DRK90M	DRK90L
60	130	3790	-	23.19			
63	105	3820	-	22.08			
70	130	3550	-	19.99			
86	130	3240	-	16.29			
104	130	2970	-	13.47			
117	130	2810	-	11.94			
141	110	3000	-	9.90			
153	130	2470	-	9.17			
164	122	2740	-	8.53			
187	123	2300	-	7.48			
201	112	2580	-	6.95			
243	112	2370	-	5.75			
275	110	2260	-	5.10			
357	126	1910	-	3.92			
439	110	1830	-	3.19			

K37, $n_e=1400$ 1/min					200 Nm		
n_a rpm	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	ER63S ER63M DRK71S DRK71M	DRK80S DRK80M DRK90M	DRK90L
 3							
13	200	5640	6.8	106.38			
14	200	5640	6.8	97.81			
17	200	5640	6.9	83.69			
19	200	5520	6.9	72.54			
21	200	5360	6.9	67.80			
24	200	5020	6.9	58.60			
28	200	4660	7	49.79			
31	200	4420	7	44.46			
37	200	4100	7	37.97			
39	200	3970	7.1	35.57			
47	200	3650	7.1	29.96			
49	200	3580	8.1	28.83			
56	200	3330	8.1	24.99			
60	195	3260	8.2	23.36			
69	185	3110	8.3	20.19			
82	180	2900	8.4	17.15			
91	175	2780	8.5	15.31			
107	165	2650	8.6	13.08			
115	160	2600	11.9	12.14			
133	160	2410	12.2	10.49			
157	160	2200	12.4	8.91			
176	155	2110	12.5	7.96			
206	150	1980	12.8	6.80			
220	145	1950	12.9	6.37			
261	140	1810	13.2	5.36			
352	125	1660	13	3.98			

K39, $n_e=1400$ 1/min					300 Nm		
n_a rpm	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	ER63S ER63M DRK71S DRK71M	DRK80S DRK80M DRK90M	DRK90L
 2							
24	300	7500	-	58.24			
28	300	7440	-	49.69			
32	300	7000	-	43.45			
34	300	6840	-	41.28			
39	300	6440	-	36.22			
46	300	5960	-	30.72			
50	300	5670	-	27.73			
57	300	5330	-	24.40			
61	300	5180	-	23.04			
71	295	4820	-	19.62			
79	290	4630	-	17.83			
82	115	6360	-	17.06			
91	280	4380	-	15.44			
96	190	5570	-	14.56			
104	270	4160	-	13.44			
110	250	4930	-	12.73			
116	255	4790	-	12.09			
132	285	4360	-	10.61			
146	250	3640	-	9.60			
156	300	3950	-	9.00			
172	300	3760	-	8.12			
196	300	3530	-	7.15			
207	300	3430	-	6.75			
243	275	3300	-	5.75			
268	260	3240	-	5.22			
310	240	3130	-	4.52			
355	215	3070	-	3.94			
498	170	2870	-	2.81			

K47, $n_e=1400$ 1/min					400 Nm		
n_a rpm	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	ER63S ER63M DRK71S DRK71M	DRK80S DRK80M DRK90M	DRK90L
 3							
11	400	5920	6.4	131.87*			
12	400	5920	6.4	121.48*			
13	400	5920	6.4	104.37			
15	400	5920	6.4	90.86			
16	400	5920	6.4	85.12*			
19	400	5920	6.5	75.20*			
20	400	5920	6.5	69.84			
22	400	5920	6.5	63.30*			
25	400	5920	6.5	56.83			
29	400	5920	6.6	48.95*			
30	400	5920	6.6	46.03*			
35	400	5920	6.6	39.61			
40	400	5920	6.7	35.39			
45	400	5700	7.5	31.30			

K47, $n_e=1400$ 1/min					400 Nm		
n_a rpm	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	ER63S ER63M DRK71S DRK71M	DRK80S DRK80M DRK90M	DRK90L
48	400	5520	7.5	29.32			
54	400	5170	7.6	25.91			
58	400	4970	7.7	24.06			
64	400	4710	7.7	21.81			
72	400	4440	7.7	19.58			
83	380	4220	7.8	16.86			
88	380	4080	7.9	15.86			
103	360	3890	8	13.65			
115	350	3720	8.3	12.19			
119	280	4060	10.5	11.77			
133	280	3830	10.6	10.56			
154	280	3540	10.7	9.10			
164	270	3500	10.8	8.56			
190	250	3380	11	7.36			
213	240	3270	11.5	6.58			
241	230	3140	11.8	5.81			
302	205	2980	12	4.64			

K49, $n_e=1400$ 1/min					500 Nm		
n_a rpm	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	ER63S ER63M DRK71S DRK71M	DRK80S DRK80M DRK90M	DRK90L
 2							
19	475	9000	-	75.20			
20	445	9000	-	70.19			
23	500	9000	-	60.27			
26	500	8590	-	52.94			
28	500	8380	-	50.29			
32	500	7900	-	44.44			
37	500	7310	-	37.98			
40	500	7000	-	34.81			
46	500	6550	-	30.55			
48	500	6370	-	28.95			
55	500	5940	-	25.34			
61	500	5610	-	22.83			
62	150	8470	-	22.50			
67	140	8310	-	21.00			
70	500	5220	-	20.03			
78	260	7300	-	18.04			
79	500	4860	-	17.67			
88	340	6570	-	15.84			
89	490	4590	-	15.67			
93	325	6500	-	15.05			
105	470	4320	-	13.38			
105	420	5740	-	13.30			
123	495	5000	-	11.37			
134	480	4860	-	10.42			
153	500	4460	-	9.14			
162	500	4340	-	8.66			
185	500	4050	-	7.58			

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K49, $n_e=1400$ 1/min					500 Nm		
n_a rpm	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	ER63S ER63M DRK71S DRK71M	DRK80S DRK80M DRK90M	DRK90L
205	500	3840	-	6.83			
234	500	3570	-	5.99			
265	485	3400	-	5.29			
299	465	3270	-	4.69			
350	440	3110	-	4.00			

K57, $n_e=1400$ 1/min					600 Nm		
n_a rpm	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	ER63S ER63M DRK71S DRK71M	DRK80S DRK80M DRK90M	DRK90L
 3							
9.6	600	7630	5.9	145.14*			
11	600	7630	5.9	123.85			
13	600	7630	5.9	108.29			
14	600	7630	5.9	102.88*			
16	600	7630	5.9	90.26*			
18	600	7630	5.9	76.56*			
20	600	7630	6	69.12			
23	600	7630	6	60.81*			
24	600	7630	6	57.42*			
29	600	7630	6	48.89			
32	600	7630	6.1	44.43			
36	600	7630	6.1	38.49			
39	600	7630	6.8	35.70			
46	600	7300	6.9	30.28			
51	600	6930	6.9	27.34			
58	600	6480	6.9	24.05			
62	600	6280	6.9	22.71			
72	575	5910	7	19.34			
80	555	5740	7.2	17.57			
92	535	5430	7.3	15.22			
106	510	5190	7.4	13.25			
117	415	5150	9.4	11.92			
124	415	4990	9.5	11.26			
146	405	4650	9.6	9.59			
161	390	4520	10	8.71			
185	365	4360	10.2	7.55			
213	345	4180	10.4	6.57			
299	300	3800	11	4.69			

K67, $n_e=1400$ 1/min					820 Nm		
n_a rpm	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	ER63S ER63M DRK71S DRK71M	DRK80S DRK80M DRK90M	DRK90L
 3							
9.7	820	10300	6.2	144.79*			
11	820	10300	6.2	123.54			
13	820	10300	6.1	108.03			
14	820	10300	6.1	102.62			

K67, n_e=1400 1/min					820 Nm		
n _a rpm	M _{amax} Nm	F _{Ra} N	Φ _(/R) °	i	ER63S ER63M DRK71S DRK71M	DRK80S DRK80M DRK90M	DRK90L
16	820	10300	6.2	90.04			
18	820	10300	6.2	76.37			
20	820	10300	6.2	68.95			
23	820	10300	6.2	60.66			
24	820	10300	6.2	57.28			
29	820	10300	6.3	48.77			
32	820	10300	6.3	44.32			
36	800	10500	6.4	38.39			
39	820	10300	7.1	35.62			
46	820	10300	7.1	30.22			
51	820	10300	7.1	27.28			
58	800	10500	7.2	24.00			
62	780	10700	7.2	22.66			
73	760	10800	7.3	19.30			
80	740	11000	7.5	17.54			
92	700	11300	7.5	15.19			
106	670	11500	7.6	13.22			
112	530	12300	8.6	12.48			
132	500	11800	8.8	10.63			
145	480	11500	9.1	9.66			
167	440	11100	9.3	8.37			
192	420	10700	9.4	7.28			
269	350	9860	10	5.20			

K77, n_e=1400 1/min					1550 Nm		
n _a rpm	M _{amax} Nm	F _{Ra} N	Φ _(/R) °	i	ER63S ER63M DRK71S DRK71M	DRK80S DRK80M DRK90M	DRK90L
 3							
7.3	1450	16100	5.4	192.18			
7.8	1450	16100	5.4	179.37			
9.1	1550	15400	5.4	154.02			
10	1550	15400	5.4	135.28			
11	1550	15400	5.4	128.52			
12	1550	15400	5.4	113.56			
14	1550	15400	5.4	97.05			
16	1550	15400	5.4	88.97			
18	1550	15400	5.4	78.07			
19	1550	15400	5.4	73.99			
22	1550	15400	5.5	64.75			
24	1550	15400	5.5	58.34			
27	1550	15400	5.5	51.18			
31	1550	15400	5.5	45.16			
35	1550	15400	5.6	40.04			
36	1500	15700	6	38.39			
40	1550	15400	6	35.20			
45	1550	15400	6.1	30.89			
48	1550	15400	6.1	29.27			
55	1550	15400	6.1	25.62			
61	1550	15400	6.3	23.08			

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K77, $n_e=1400$ 1/min					1550 Nm		
n_a rpm	M_{amax} Nm	F_{Ra} N	$\varphi_{(R)}$ °	i	ER63S ER63M DRK71S DRK71M	DRK80S DRK80M DRK90M	DRK90L
69	1500	15700	6.3	20.25			
78	1450	16100	6.3	17.87			
88	1400	15500	6.4	15.84			
104	1340	14800	6.5	13.52			
113	1000	15100	7.9	12.36			
129	990	14400	7.8	10.84			
146	940	13900	7.9	9.56			
165	890	13500	8.2	8.48			
193	820	13100	8.3	7.24			

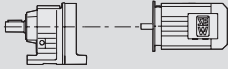
K87, $n_e=1400$ 1/min					2700 Nm		
n_a rpm	M_{amax} Nm	F_{Ra} N	$\varphi_{(R)}$ °	i	DRK71M	DRK80S DRK80M DRK90M	DRK90L
 3							
7.1	2700	27300	5.3	197.37			
8.0	2700	27300	5.3	174.19			
8.5	2700	27300	5.3	164.34*			
9.5	2700	27300	5.4	147.32*			
11	2700	27300	5.4	126.91*			
12	2700	27300	5.4	115.82			
14	2700	27300	5.4	102.71*			
16	2700	27300	5.4	86.34			
18	2700	27300	5.4	79.34			
20	2700	27300	5.4	70.46			
22	2700	26200	5.4	63.00*			
25	2700	25000	5.5	56.64			
28	2700	23500	5.5	49.16			
32	2600	22800	5.5	44.02			
38	2500	21400	5.5	36.52*			
45	2700	19200	6.1	31.39			
50	2600	18500	6.1	27.88			
56	2500	18000	6.1	24.92			
62	2300	17900	6.2	22.41			
72	2300	16800	6.3	19.45			
80	2200	16300	6.3	17.42			
88	1800	16000	6.5	16.00			
97	2100	15300	6.4	14.45			
111	2000	14800	6.5	12.56			
125	1500	14900	6.7	11.17			
140	1500	14200	6.8	10.00			
169	1400	13500	7	8.29			
194	1300	13200	7.1	7.21			

K97, $n_e=1400$ 1/min					4300 Nm	
n_a rpm	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	DRK80S DRK80M DRK90M	DRK90L
 3						
8.0	4300	40000	6.8	176.05*		
9.1	4300	40000	6.8	153.21*		
10.0	4300	40000	6.8	140.28		
11	4300	40000	6.8	123.93*		
13	4300	40000	6.8	105.13		
14	4300	40000	6.8	96.80		
16	4300	38800	6.8	86.52		
18	4300	37100	6.8	77.89*		
20	4300	35600	6.9	70.54		
22	4300	33800	6.9	62.55		
25	4300	32300	6.9	56.55		
29	4300	30000	6.9	47.93*		
33	4300	28300	6.9	41.87		
37	4300	27100	7.4	38.30		
41	4300	25700	7.5	34.23		
45	4300	24500	7.5	30.82		
50	4300	23300	7.5	27.91		
57	4300	22000	7.6	24.75		
63	4300	20900	7.6	22.37		
74	4300	19100	7.6	18.96		
85	4300	17800	7.7	16.56		
101	4300	16100	7.7	13.85		
117	3890	16200	7.8	11.99		
134	2870	16400	9.7	10.41		
161	2660	15800	9.8	8.71		
186	2400	15700	10	7.54		

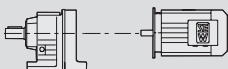
K107, n _e =1400 1/min					8000 Nm
n _a rpm	M _{amax} Nm	F _{Ra} N	Φ _(/R) '	i	DRK90L
 3					
9.8	8000	65000	5.7	143.47*	
12	8000	61500	5.7	121.46	
12	8000	59300	5.8	112.41*	
14	8000	56200	5.8	100.75	
15	8000	53500	5.8	90.96*	
17	8000	50900	5.8	82.61	
19	8000	47900	5.8	73.30	
21	8000	45400	5.8	66.52*	
24	8000	41700	5.8	57.17*	
28	7840	39300	5.8	49.90	
33	7360	37900	5.8	42.33*	
38	7200	35800	5.8	37.00*	
43	7200	33200	6.4	32.69	
45	6800	34200	5.9	31.28*	
48	7200	30700	6.5	29.00	
53	7200	28800	6.4	26.32	
62	7200	25800	6.5	22.62	
71	7200	23200	6.5	19.74	

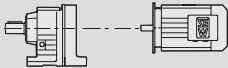
K107, n_e=1400 1/min					8000 Nm
n_a rpm	M_{amax} Nm	F_{Ra} N	φ_(/R) °	i	DRK90L
84	7050	21000	6.5	16.75	
96	6890	19500	6.6	14.64	
104	4300	29200	8.8	13.43	
119	4300	27500	8.8	11.73	
141	4190	25800	8.9	9.94	
161	4070	24600	9	8.69	
190	3600	24400	9	7.35	

10.3 Auswahltabellen K..DRK.. in kW

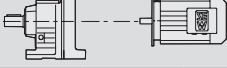
P _m = 0.12 kW										
n _a rpm	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
9.7	118	145.14*	9880	5.1	K KF KA KAF	57	ER	63M4	28	329
11	101	123.85	9920	6.0					33	330
13	88	108.29	9950	6.8					26	331
14	84	102.88*	9960	7.2					32	330
16	73	90.26*	9990	8.2						
11	107	131.87*	8150	3.7	K	47	ER	63M4	22	319
					KF	47	ER	63M4	26	320
					KA	47	ER	63M4	22	321
					KAF	47	ER	63M4	24	320
12	99	121.48*	8170	4.0						
13	86	106.38	6500	2.3	K KF KA KAF	37	ER	63M4	16	309
14	79	97.81	6530	2.5					18	310
17	68	83.69	6580	2.9					16	311
19	59	72.54	6600	3.4					17	310
21	55	67.80	6620	3.6						
26	45	54.89	5230	2.9	K	29	ER	63M4	10	303
28	41	50.35	5240	3.2	KF	29	ER	63M4	11	306
33	35	42.87	5260	3.7	KA	29	ER	63M4	9.8	308
					KAF	29	ER	63M4	11	306
32	36	44.48	4500	1.90	K KF KA KAF	19	ER	63M4	8.5	297
35	33	40.63	4500	2.0					8.8	300
41	28	34.29	4500	2.3					8.0	302
48	24	29.29	4500	2.6					8.4	300
52	22	27.16	4500	2.7						
59	20	24.06	4430	4.1						
64	18	21.98	4310	4.5						
76	15	18.55	4090	5.3						
89	13	15.84	3890	6.2						
96	12	14.69	3800	6.7						
111	10	12.70	3630	7.8						
119	9.6	11.84	3550	8.2						
137	8.4	10.32	3400	9.1						
147	7.8	9.58	3340	8.1						

P _m = 0.18 kW										
n _a rpm	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
10	172	144.79*	13000	4.8	K	67	DRK	71S4	37	335
12	146	123.54	13000	5.6	KF	67	DRK	71S4	43	336
13	128	108.03	13000	6.4	KA	67	DRK	71S4	34	337
					KAF	67	DRK	71S4	40	336
10.0	172	145.14*	9720	3.5						
12	147	123.85	9790	4.1	K	57	DRK	71S4	31	329
13	128	108.29	9850	4.7	KF	57	DRK	71S4	36	330
14	122	102.88*	9860	4.9	KA	57	DRK	71S4	29	331
16	107	90.26*	9900	5.6	KAF	57	DRK	71S4	35	330
19	91	76.56*	9950	6.6						
11	156	131.87*	7980	2.6	K	47	DRK	71S4	25	319
12	144	121.48*	8030	2.8	KF	47	DRK	71S4	28	320
14	124	104.37	8100	3.2	KA	47	DRK	71S4	24	321
16	108	90.86	8150	3.7	KAF	47	DRK	71S4	27	320
17	101	85.12*	8170	4.0						
14	126	106.38	6290	1.60						
15	116	97.81	6360	1.70						
17	99	83.69	6450	2.0						
20	86	72.54	6470	2.3	K	37	DRK	71S4	19	309
21	80	67.80	6360	2.5	KF	37	DRK	71S4	21	310
25	69	58.60	6130	2.9	KA	37	DRK	71S4	19	311
29	59	49.79	5860	3.4	KAF	37	DRK	71S4	21	310
33	53	44.46	5680	3.8						
38	45	37.97	5440	4.4						

P _m = 0.18 kW										
n _a rpm	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
26	65	54.89	5170	2.0						
29	60	50.35	5190	2.2						
34	51	42.87	5210	2.5						
39	44	36.96	5230	2.8						
48	36	30.11	4980	3.2						
49	35	29.69	5000	3.7						
53	32	27.23	4870	4.0						
58	30	24.91	4710	3.7						
33	53	44.48	4440	1.30						
36	48	40.63	4460	1.40						
42	41	34.29	4500	1.55						
50	35	29.29	4470	1.75						
53	32	27.16	4380	1.85						
60	29	24.06	4290	2.8						
66	26	21.98	4180	3.1						
78	22	18.55	3980	3.6						
92	19	15.84	3800	4.3						
99	17	14.69	3710	4.6						
114	15	12.70	3550	5.3						
122	14	11.84	3480	5.6						
140	12	10.32	3330	6.2						
151	11	9.58	3280	5.6						
179	9.6	8.09	3110	8.3						
210	8.2	6.91	2960	9.8						

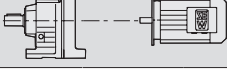
P _m = 0.25 kW																
n _a rpm	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg							
10	235	144.79*	13000	3.4	K	67	DRK	71M4	38	335						
12	200	123.54	13000	4.0	KF	67	DRK	71M4	44	336						
13	177	108.03	13000	4.6	KA	67	DRK	71M4	36	337						
14	168	102.62	13000	4.9	KAF	67	DRK	71M4	41	336						
10	235	145.14*	9510	2.5	K	57	DRK	71M4	32	329						
12	200	123.85	9620	3.0												
13	178	108.29	9700	3.4												
14	169	102.88*	9730	3.6												
16	148	90.26*	9790	4.0												
19	126	76.56*	9850	4.8	KAF	57	DRK	71M4	36	330						
19	123	75.20	9000	3.8	K	49	DRK	71M4	39	325						
					KF	49	DRK	71M4	41	326						
					KA	49	DRK	71M4	36	327						
					KAF	49	DRK	71M4	41	326						
21	115	70.19	9000	3.9												
11	215	131.87*	7680	1.85	K	47	DRK	71M4	27	319						
12	199	121.48*	7780	2.0												
14	171	104.37	7920	2.3												
16	149	90.86	8010	2.7												
17	140	85.12*	8040	2.9												
					KAF	47	DRK	71M4	29	320						
25	96	58.24	7500	3.1	K	39	DRK	71M4	25	315						
					KF	39	DRK	71M4	27	316						
					KA	39	DRK	71M4	24	317						
					KAF	39	DRK	71M4	26	316						
29	82	49.69	7500	3.7												
14	175	106.38	5900	1.15	K	37	DRK	71M4	20	309						
15	160	97.81	6030	1.25												
17	137	83.69	6220	1.45												
20	119	72.54	6160	1.70												
21	111	67.80	6070	1.80												
25	96	58.60	5880	2.1												
29	82	49.79	5650	2.4												
33	73	44.46	5490	2.7												
38	62	37.97	5270	3.2												
41	58	35.57	5180	3.4												
49	49	29.96	4950	4.1												
50	47	28.83	4900	4.2												
											KF	37	DRK	71M4	23	310
											KA	37	DRK	71M4	20	311
											KAF	37	DRK	71M4	22	310

P_m = 0.25 kW

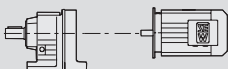
n _a rpm	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
27	90	54.89	5100	1.45	K KF KA KAF	29	DRK	71M4	15	303
29	83	50.35	5120	1.55						
34	70	42.87	5160	1.80						
39	61	36.96	5100	2.0						
48	49	30.11	4840	2.3						
49	49	29.69	4870	2.7						
53	45	27.23	4750	2.9						
58	41	24.91	4590	2.7						
63	38	23.19	4540	3.4						
66	36	22.08	4440	2.9						
73	33	19.99	4360	4.0						
33	73	44.48	4310	0.95	K KF KA KAF	19	DRK	71M4	13	297
36	67	40.63	4350	1.00						
42	56	34.29	4420	1.15						
50	48	29.29	4300	1.25						
54	45	27.16	4220	1.35						
60	39	24.06	4170	2.0						
66	36	21.98	4070	2.2						
78	30	18.55	3890	2.6						
92	26	15.84	3720	3.1						
99	24	14.69	3640	3.3						
115	21	12.70	3490	3.8						
123	19	11.84	3420	4.1						
141	17	10.32	3280	4.5						
152	16	9.58	3240	4.0						
180	13	8.09	3080	6.0						
211	11	6.91	2930	7.1						
227	11	6.41	2860	7.6						
263	9.1	5.54	2730	8.8						
282	8.5	5.16	2670	9.4						

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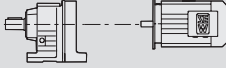
P_m = 0.37 kW

n _a rpm	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
9.2	380	154.02	19900	4.0	K	77	DRK	80S4	67	341
					KF	77	DRK	80S4	75	342
					KA	77	DRK	80S4	59	343
					KAF	77	DRK	80S4	67	342
11	305	123.54	13000	2.7	K	67	DRK	80S4	41	335
13	265	108.03	13000	3.0	KF	67	DRK	80S4	46	336
16	220	90.04	13000	3.7	KA	67	DRK	80S4	38	337
19	190	76.37	13000	4.3	KAF	67	DRK	80S4	44	336
11	305	123.85	9260	1.95	K KF KA KAF	57	DRK	80S4	35	329
13	265	108.29	9400	2.2						
14	255	102.88*	9440	2.3						
16	220	90.26*	9550	2.7						
19	190	76.56*	9660	3.2						
21	172	69.12	9720	3.5						
24	150	60.27	9000	3.3	K	49	DRK	80S4	41	325
					KF	49	DRK	80S4	43	326
					KA	49	DRK	80S4	38	327
					KAF	49	DRK	80S4	43	326
14	255	104.37	7390	1.55	K KF KA KAF	47	DRK	80S4	29	319
16	225	90.86	7620	1.75						
17	210	85.12*	7700	1.90						
19	187	75.20*	7840	2.1						
20	174	69.84	7900	2.3						
22	158	63.30*	7980	2.5						
29	124	49.69	7500	2.4	K	39	DRK	80S4	28	315
33	108	43.45	7500	2.8	KF	39	DRK	80S4	29	316
34	103	41.28	7500	2.9	KA	39	DRK	80S4	27	317
39	90	36.22	7500	3.3	KAF	39	DRK	80S4	28	316

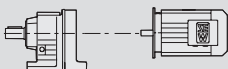
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P _m = 0.37 kW										
n _a rpm	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
17	205	83.69	5540	0.95	K KF KA KAF	37	DRK	80S4	22	309
20	180	72.54	5660	1.10						
21	169	67.80	5610	1.20						
24	146	58.60	5480	1.35						
29	124	49.79	5320	1.60						
32	111	44.46	5200	1.80						
37	94	37.97	5030	2.1						
40	88	35.57	4960	2.3						
47	75	29.96	4760	2.7						
49	72	28.83	4720	2.8						
57	62	24.99	4560	3.2						
61	58	23.36	4480	3.4						
70	50	20.19	4310	3.7						
83	43	17.15	4130	4.2						
33	107	42.87	4980	1.20	K KF KA KAF	29	DRK	80S4	17	303
38	92	36.96	4830	1.35						
47	75	30.11	4620	1.55						
57	62	24.91	4420	1.75						
61	58	23.19	4410	2.2						
64	55	22.08	4300	1.90						
71	50	19.99	4240	2.6						
87	41	16.29	4020	3.2						
41	85	34.29	4140	0.75	K KF KA KAF	19	DRK	80S4	15	297
48	73	29.29	4030	0.85						
52	68	27.16	3970	0.90						
77	46	18.55	3760	1.75						
90	39	15.84	3610	2.0						
97	37	14.69	3540	2.2						
112	32	12.70	3410	2.5						
120	29	11.84	3340	2.7						
138	26	10.32	3220	3.0						
176	20	8.09	3050	4.0						
206	17	6.91	2910	4.6						
222	16	6.41	2840	5.0						
256	14	5.54	2720	5.8						
275	13	5.16	2660	6.2						
316	11	4.50	2550	7.1						

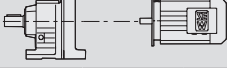
P _m = 0.55 kW										
n _a rpm	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
11	495	135.28	19700	3.1	K	77	DRK	80M4	69	341
11	470	128.52	19700	3.3	KF	77	DRK	80M4	78	342
13	415	113.56	19800	3.7	KA	77	DRK	80M4	62	343
15	355	97.05	19900	4.4	KAF	77	DRK	80M4	70	342
13	395	108.03	12800	2.1	K	67	DRK	80M4	43	335
16	330	90.04	13000	2.5	KF	67	DRK	80M4	49	336
19	280	76.37	13000	2.9	KA	67	DRK	80M4	41	337
					KAF	67	DRK	80M4	46	336
13	395	108.29	8890	1.50	K KF KA KAF	57	DRK	80M4	37	329
14	375	102.88*	8980	1.60						
16	330	90.26*	9160	1.80						
19	280	76.56*	9360	2.1						
21	250	69.12	9450	2.4						
24	220	60.81*	9560	2.7						
25	210	57.42*	9600	2.8						
24	220	60.27	9000	2.3	K	49	DRK	80M4	44	325
27	194	52.94	9000	2.6	KF	49	DRK	80M4	46	326
28	185	50.29	9000	2.7	KA	49	DRK	80M4	41	327
32	163	44.44	9000	3.1	KAF	49	DRK	80M4	46	326
38	139	37.98	9000	3.6						

P _m = 0.55 kW										
n _a rpm	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
16	330	90.86	6730	1.20						
17	310	85.12*	6940	1.30						
19	275	75.20*	7260	1.45						
20	255	69.84	7410	1.55						
23	230	63.30*	7580	1.70						
25	205	56.83	7720	1.90						
29	180	48.95*	7880	2.2						
31	169	46.03*	7920	2.4						
29	183	49.69	7500	1.65						
33	160	43.45	7500	1.90						
35	152	41.28	7500	2.00						
39	133	36.22	7500	2.3						
47	113	30.72	7500	2.7						
52	102	27.73	7320	3.0						
59	90	24.40	7080	3.4						
62	85	23.04	6980	3.6						
24	215	58.60	4830	0.95						
29	183	49.79	4770	1.10						
32	163	44.46	4710	1.20						
38	139	37.97	4610	1.45						
40	131	35.57	4560	1.55						
48	110	29.96	4430	1.80						
57	92	24.99	4280	2.2						
61	86	23.36	4220	2.3						
71	74	20.19	4080	2.5						
83	63	17.15	3940	2.9						
93	56	15.31	3830	3.1						
109	48	13.08	3680	3.4						
118	45	12.14	3610	3.6						
136	39	10.49	3480	4.2						
39	136	36.96	4380	0.90						
47	111	30.11	4260	1.05						
57	91	24.91	4120	1.20						
65	81	22.08	4020	1.30						
72	73	19.99	4020	1.75						
88	60	16.29	3830	2.2						
106	49	13.47	3660	2.6						
120	44	11.94	3550	3.0						
168	31	8.53	3310	3.9						
90	58	15.84	3410	1.35						
97	54	14.69	3350	1.50						
113	47	12.70	3240	1.70						
121	43	11.84	3190	1.80						
139	38	10.32	3080	2.0						
207	25	6.91	2840	3.2						
223	24	6.41	2780	3.4						
258	20	5.54	2660	3.9						
277	19	5.16	2610	4.2						
318	17	4.50	2500	4.8						

P _m = 0.75 kW											
n _a rpm	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg		
7.2	980	197.37	28800	2.7	K	87	DRK	90M4	110	347	
8.2	870	174.19	28800	3.1		KF	87	DRK	90M4	120	348
8.7	820	164.34*	28900	3.3		KA	87	DRK	90M4	97	349
9.7	735	147.32*	28900	3.7		KAF	87	DRK	90M4	110	348
9.3	770	154.02	19100	2.0	K	77	DRK	90M4	73	341	
11	675	135.28	19300	2.3		KF	77	DRK	90M4	81	342
11	640	128.52	19400	2.4		KA	77	DRK	90M4	66	343
13	565	113.56	19600	2.7		KAF	77	DRK	90M4	73	342
15	485	97.05	19700	3.2							

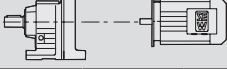
P _m = 0.75 kW										
n _a rpm	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
12	615	123.54	11800	1.35	K KF KA KAF	67	DRK	90M4	48	335
13	540	108.03	12200	1.50						
16	450	90.04	12600	1.80						
19	380	76.37	12900	2.1						
21	345	68.95	13000	2.4						
24	300	60.66	13000	2.7						
25	285	57.28	13000	2.9					51	336
12	620	123.85	7460	0.95	K KF KA KAF	57	DRK	90M4	42	329
13	540	108.29	8090	1.10						
14	515	102.88*	8300	1.15						
16	450	90.26*	8650	1.35						
19	380	76.56*	8950	1.55						
21	345	69.12	9110	1.75						
24	300	60.81*	9270	1.95						
25	285	57.42*	9330	2.1						
29	240	48.89	9480	2.4						
32	220	44.43	9560	2.7					46	330
24	300	60.27	9000	1.65	K KF KA KAF	49	DRK	90M4	48	325
27	265	52.94	9000	1.90						
28	250	50.29	9000	2.00						
32	220	44.44	9000	2.2						
38	190	37.98	9000	2.6						
41	174	34.81	9000	2.9						
47	153	30.55	8980	3.3						
49	145	28.95	8860	3.4					50	326
19	375	75.20*	6240	1.05	K KF KA KAF	47	DRK	90M4	36	319
20	345	69.84	6560	1.15						
23	315	63.30*	6900	1.25						
25	280	56.83	7190	1.40						
29	245	48.95*	7490	1.65						
31	230	46.03*	7590	1.75						
36	198	39.61	7780	2.0						
40	177	35.39	7700	2.3						
46	157	31.30	7490	2.6					40	320
29	245	49.69	7500	1.20	K KF KA KAF	39	DRK	90M4	35	315
33	215	43.45	7500	1.40						
35	205	41.28	7500	1.45						
39	181	36.22	7400	1.65						
47	154	30.72	7160	1.95						
52	139	27.73	7000	2.2						
59	122	24.40	6800	2.4						
62	115	23.04	6710	2.6						
73	98	19.62	6460	3.0						
80	89	17.83	6300	3.2						
93	77	15.44	6080	3.6						
32	220	44.46	4170	0.90	K KF KA KAF	37	DRK	90M4	29	309
38	190	37.97	4140	1.05						
40	178	35.57	4130	1.10						
48	150	29.96	4060	1.35						
50	144	28.83	4050	1.40						
57	125	24.99	3970	1.60						
61	117	23.36	3930	1.65						
71	101	20.19	3840	1.85						
83	86	17.15	3730	2.1						
93	77	15.31	3640	2.3						
109	66	13.08	3520	2.5						
118	61	12.14	3470	2.6						
136	53	10.49	3350	3.0						
160	45	8.91	3220	3.6						
180	40	7.96	3130	3.9					31	310

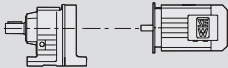
P_m = 0.75 kW

n _a rpm	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
47	151	30.11	3850	0.75						
57	125	24.91	3780	0.85						
62	116	23.19	3880	1.10						
65	111	22.08	3730	0.95						
72	100	19.99	3780	1.30						
88	82	16.29	3640	1.60	K	29	DRK	90M4	24	303
106	67	13.47	3500	1.95	KF	29	DRK	90M4	25	306
120	60	11.94	3400	2.2	KA	29	DRK	90M4	23	308
144	50	9.90	3370	2.2	KAF	29	DRK	90M4	24	306
156	46	9.17	3200	2.8						
168	43	8.53	3240	2.8						
191	37	7.48	3030	3.3						
206	35	6.95	3060	3.2						
77	93	18.55	3270	0.85						
90	79	15.84	3190	1.00						
97	74	14.69	3150	1.10						
113	64	12.70	3070	1.25						
121	59	11.84	3030	1.35	K	19	DRK	90M4	22	297
139	52	10.32	2940	1.45	KF	19	DRK	90M4	22	300
177	41	8.09	2880	1.95	KA	19	DRK	90M4	22	302
207	35	6.91	2760	2.3	KAF	19	DRK	90M4	22	300
223	32	6.41	2710	2.5						
258	28	5.54	2600	2.9						
277	26	5.16	2550	3.1						
318	23	4.50	2450	3.6						

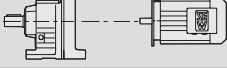
10

P_m = 1.1 kW

n _a rpm	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
8.0	1300	176.05*	40000	3.3	K	97	DRK	90L4	170	353
9.2	1130	153.21*	40000	3.8	KF	97	DRK	90L4	190	354
10	1040	140.28	40000	4.1	KA	97	DRK	90L4	155	355
					KAF	97	DRK	90L4	180	354
9.6	1090	147.32*	28700	2.5	K	87	DRK	90L4	110	347
11	940	126.91*	28800	2.9	KF	87	DRK	90L4	120	348
12	850	115.82	28900	3.1	KA	87	DRK	90L4	100	349
					KAF	87	DRK	90L4	115	348
12	840	113.56	18900	1.85	K	77	DRK	90L4	76	341
15	720	97.05	19200	2.2	KF	77	DRK	90L4	84	342
16	660	88.97	19400	2.4	KA	77	DRK	90L4	68	343
18	575	78.07	19500	2.7	KAF	77	DRK	90L4	76	342
19	545	73.99	19600	2.8						
16	665	90.04	11500	1.25						
19	565	76.37	12100	1.45						
21	510	68.95	12400	1.60	K	67	DRK	90L4	51	335
23	450	60.66	12600	1.80	KF	67	DRK	90L4	57	336
25	425	57.28	12700	1.95	KA	67	DRK	90L4	48	337
29	360	48.77	12900	2.3	KAF	67	DRK	90L4	54	336
32	325	44.32	13000	2.5						
37	285	38.39	13000	2.8						

P _m = 1.1 kW										
n _a rpm	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
16	670	90.26*	3920	0.90						
18	565	76.56*	7890	1.05						
20	510	69.12	8320	1.15						
23	450	60.81*	8650	1.35						
25	425	57.42*	8770	1.40						
29	360	48.89	9040	1.65						
32	325	44.43	9170	1.80						
37	285	38.49	9340	2.1						
40	265	35.70	9410	2.3						
47	220	30.28	9550	2.7						
52	200	27.34	9490	3.0						
59	179	24.05	9200	3.4						
62	169	22.71	9070	3.6						
73	144	19.34	8700	4.0						
81	130	17.57	8480	4.2						
93	113	15.22	8160	4.7						
107	98	13.25	7850	5.2						
119	89	11.92	7550	4.7						
126	84	11.26	7430	5.0						
148	71	9.59	7100	5.7						
162	65	8.71	6910	6.0						
188	56	7.55	6630	6.5						
215	49	6.57	6360	7.1						
302	35	4.69	5750	8.6						
32	325	44.44	9000	1.50						
37	280	37.98	8840	1.75						
41	255	34.81	8700	1.95						
46	225	30.55	8480	2.2						
49	210	28.95	8390	2.3						
56	188	25.34	8150	2.7						
62	169	22.83	7960	3.0						
71	149	20.03	7720	3.4						
25	420	56.83	4030	0.95						
29	360	48.95*	6400	1.10						
31	340	46.03*	6650	1.15						
36	290	39.61	7110	1.35						
40	260	35.39	7080	1.50						
55	192	25.91	6720	2.1						
65	162	21.81	6500	2.5						
72	145	19.58	6350	2.8						
39	265	36.22	6680	1.10						
46	225	30.72	6550	1.30						
51	205	27.73	6450	1.45						
58	181	24.40	6320	1.65						
61	171	23.04	6260	1.75						
72	146	19.62	6070	2.0						
79	132	17.83	5960	2.2						
92	115	15.44	5780	2.4						
105	100	13.44	5600	2.7						
133	79	10.61	5520	3.6						
47	220	29.96	3420	0.90						
70	150	20.19	3410	1.25						
82	127	17.15	3360	1.40						
92	114	15.31	3320	1.55						
108	97	13.08	3250	1.70						
135	78	10.49	3140	2.0						
159	66	8.91	3040	2.4						
178	59	7.96	2970	2.6						
208	50	6.80	2870	3.0						
222	47	6.37	2820	3.1						
264	40	5.36	2710	3.5						
356	30	3.98	2510	4.2						

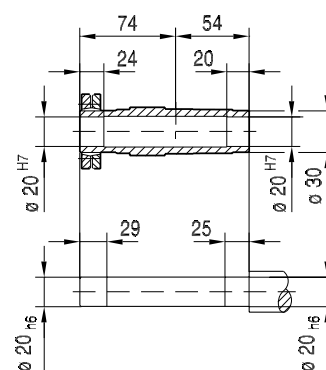
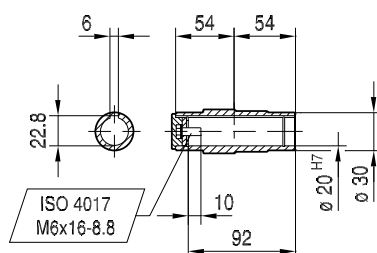
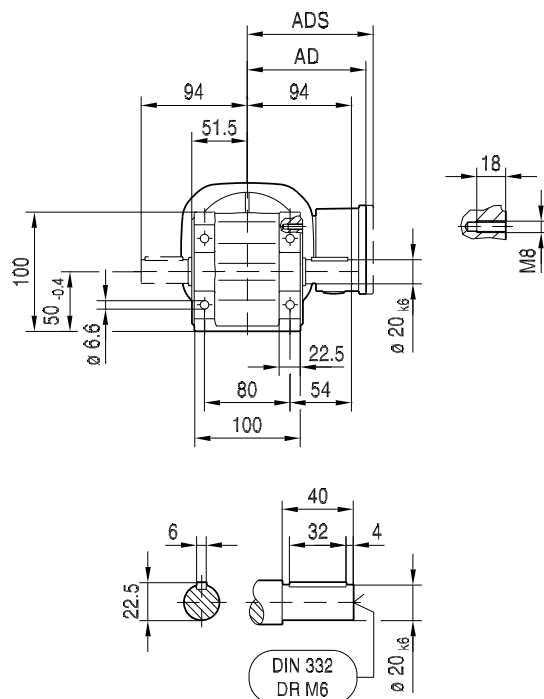
P_m = 1.1 kW

n _a rpm	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
87	121	16.29	3300	1.10						
105	100	13.47	3220	1.30						
118	89	11.94	3160	1.45	K	29	DRK	90L4	27	303
154	68	9.17	3010	1.90	KF	29	DRK	90L4	28	306
189	56	7.48	2880	2.2	KA	29	DRK	90L4	26	308
204	52	6.95	2960	2.2	KAF	29	DRK	90L4	27	306
246	43	5.75	2820	2.6						
278	38	5.10	2730	2.9						

33 275 00 15

Technical drawing of a motor assembly with dimensions. The drawing shows a side view of the motor with various dimensions labeled. The main dimensions are:

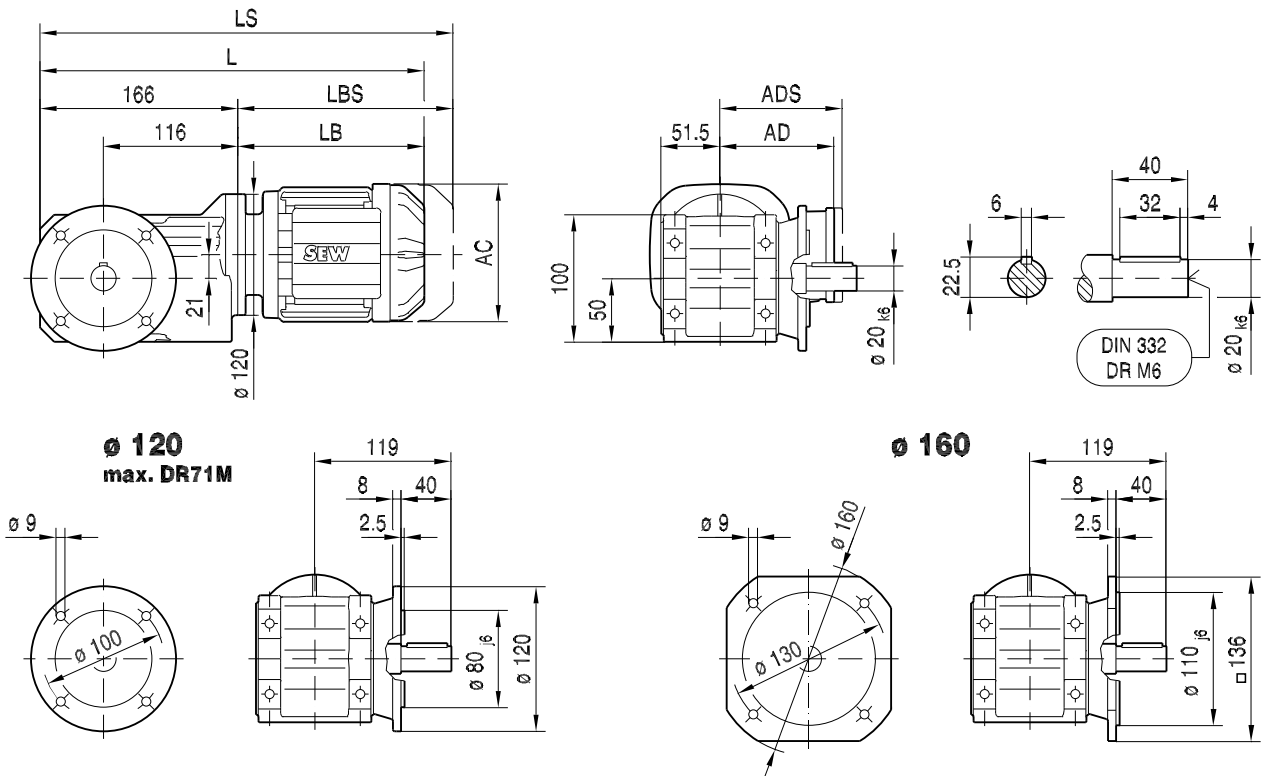
- LS**: Total length of the motor assembly.
- L**: Length of the motor body.
- LBS**: Length of the base.
- LB**: Length of the base.
- AC**: Height of the base.
- Ø 120**: Diameter of the base.
- Ø 80**: Diameter of the motor body.
- Ø 6.6**: Diameter of the mounting holes.
- 21**: Height of the motor body.
- 26**: Height of the base.
- 30**: Height of the base.
- 60**: Height of the base.
- 84**: Height of the base.
- 50**: Height of the base.
- 116**: Height of the base.
- 7**: Height of the base.
- 20**: Height of the base.
- 60**: Height of the base.
- 84**: Height of the base.



(→ 📄 144)	ER63..	DRK71S	DRK71M	DRK80S	DRK80M	DRK90M		
AC	132	139	139	156	156	179		
AD	105	172	172	182	182	193		
ADS	105	172	172	182	182	193		
L	357	368	393	403	434	438		
LS	412	436	461	484	515	531		
LB	191	202	227	237	268	272		
LBS	246	270	295	318	349	365		

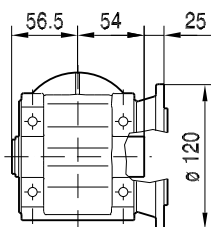
33 276 00 15

KF19B..

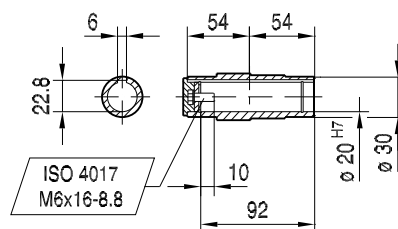
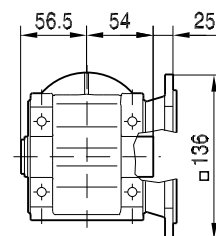


KAF19B..

ø 120
max. DR71M



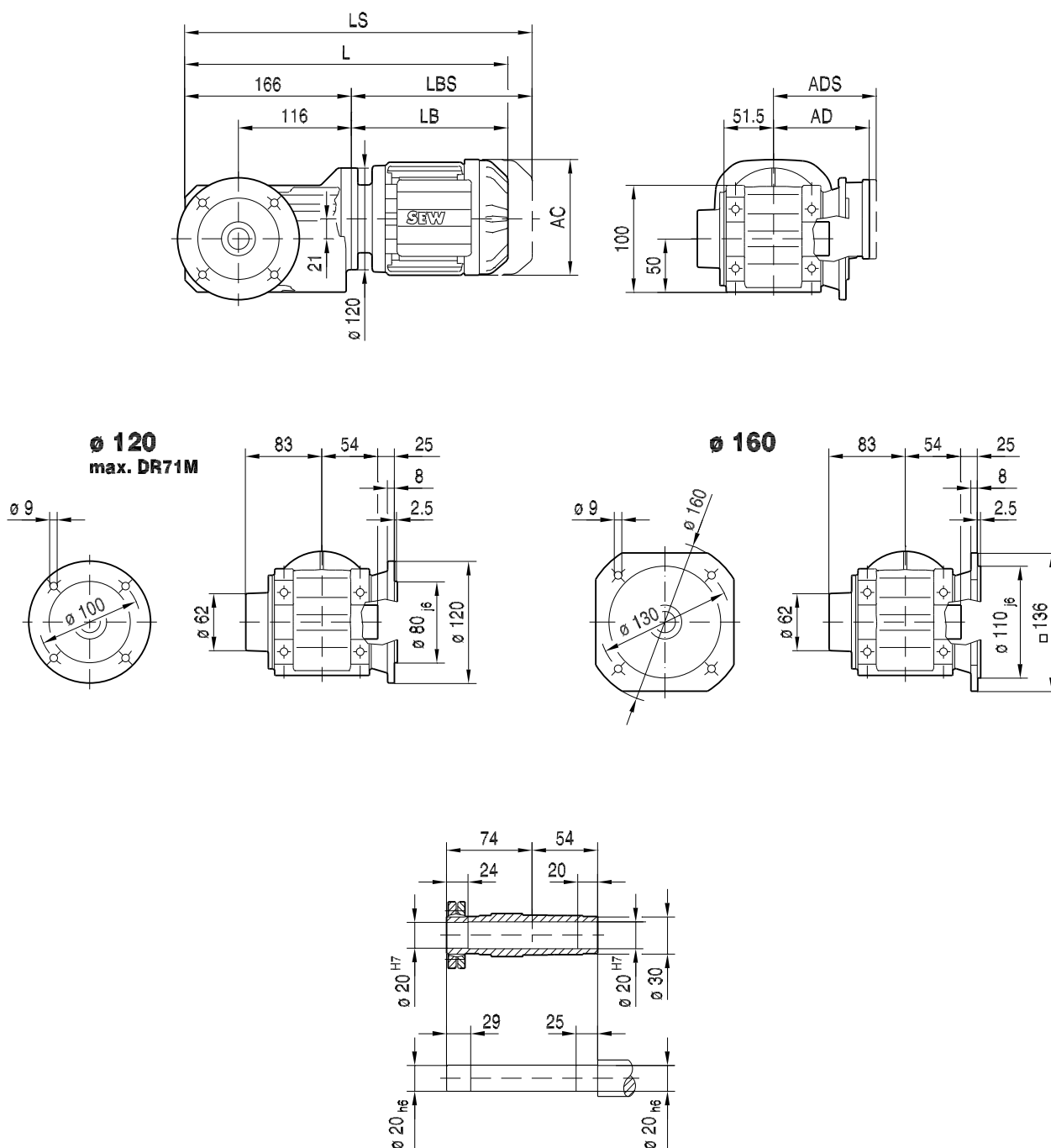
ø 160



(→ 144)	ER63..	DRK71S	DRK71M	DRK80S	DRK80M	DRK90M		
AC	132	139	139	156	156	179		
AD	105	172	172	182	182	193		
ADS	105	172	172	182	182	193		
L	357	368	393	403	434	438		
LS	412	436	461	484	515	531		
LB	191	202	227	237	268	272		
LBS	246	270	295	318	349	365		

33 277 00 15

KHF19B..

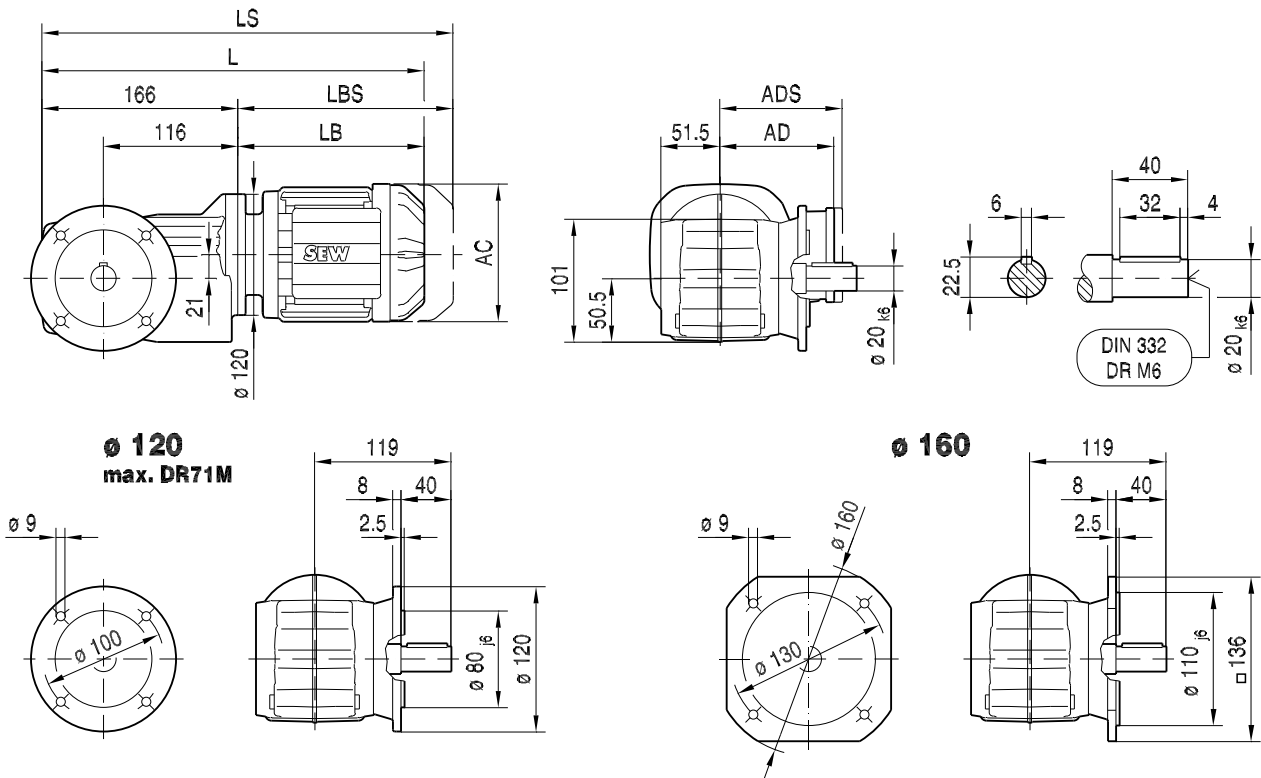


(→ 144)	ER63..	DRK71S	DRK71M	DRK80S	DRK80M	DRK90M		
AC	132	139	139	156	156	179		
AD	105	172	172	182	182	193		
ADS	105	172	172	182	182	193		
L	357	368	393	403	434	438		
LS	412	436	461	484	515	531		
LB	191	202	227	237	268	272		
LBS	246	270	295	318	349	365		

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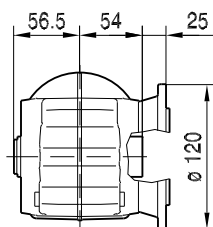
33 278 00 15

KF19..

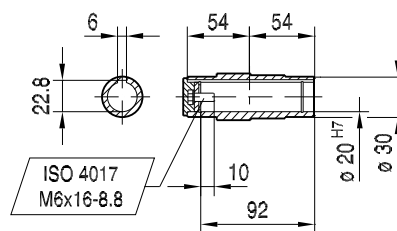
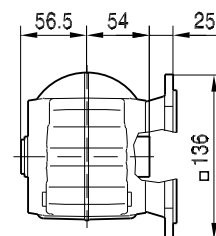


KAF19..

ø 120
max. DR71M



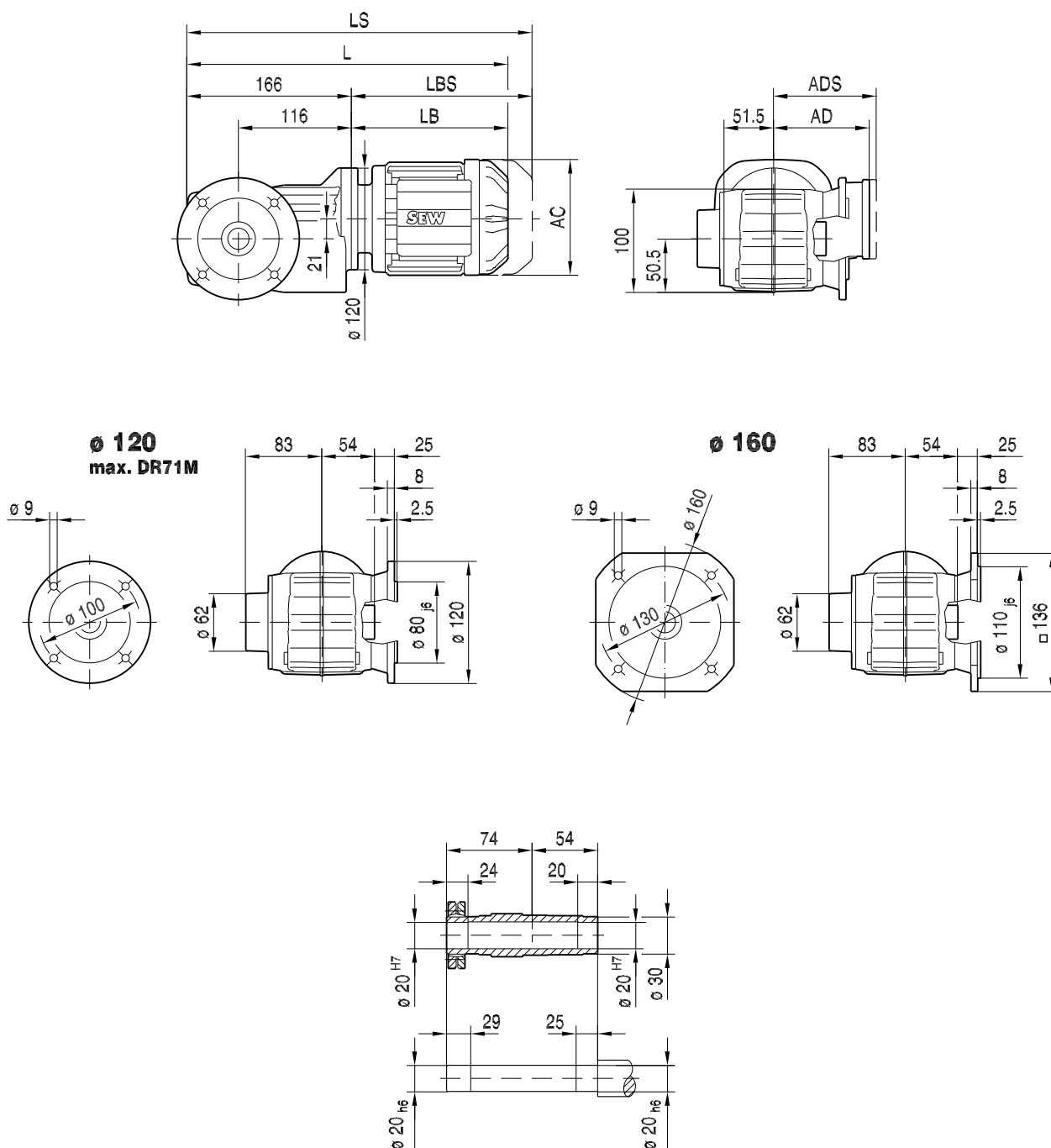
ø 160



(→ 144)	ER63..	DRK71S	DRK71M	DRK80S	DRK80M	DRK90M		
AC	132	139	139	156	156	179		
AD	105	172	172	182	182	193		
ADS	105	172	172	182	182	193		
L	357	368	393	403	434	438		
LS	412	436	461	484	515	531		
LB	191	202	227	237	268	272		
LBS	246	270	295	318	349	365		

33 279 00 15

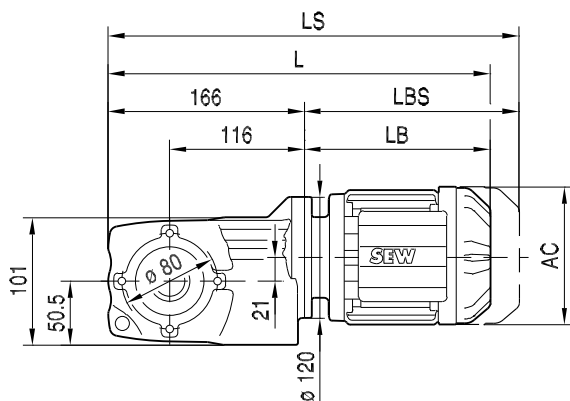
KHF19..



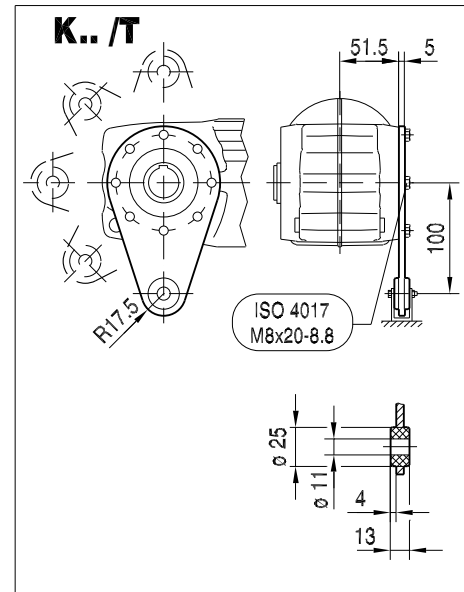
(→ 144)	ER63..	DRK71S	DRK71M	DRK80S	DRK80M	DRK90M		
AC	132	139	139	156	156	179		
AD	105	172	172	182	182	193		
ADS	105	172	172	182	182	193		
L	357	368	393	403	434	438		
LS	412	436	461	484	515	531		
LB	191	202	227	237	268	272		
LBS	246	270	295	318	349	365		

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KA19..

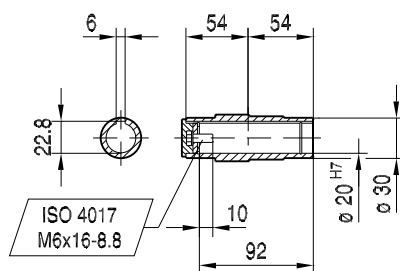
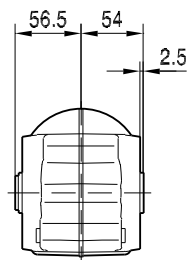


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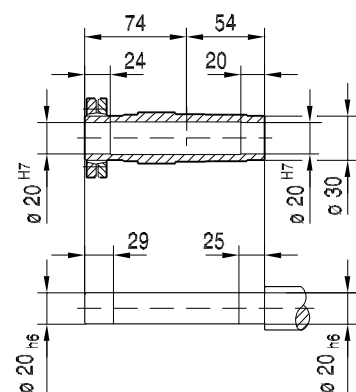
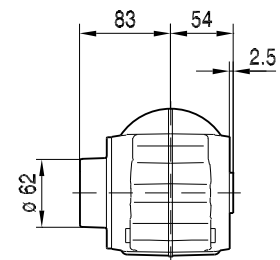


10

KA19..



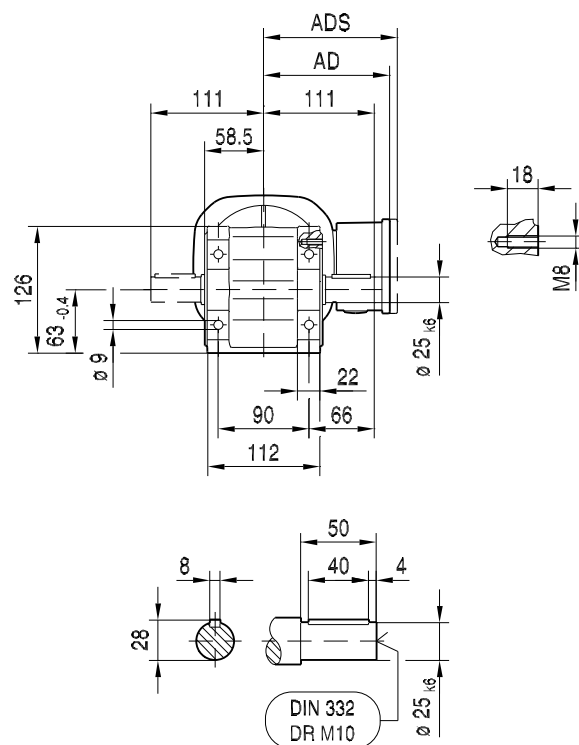
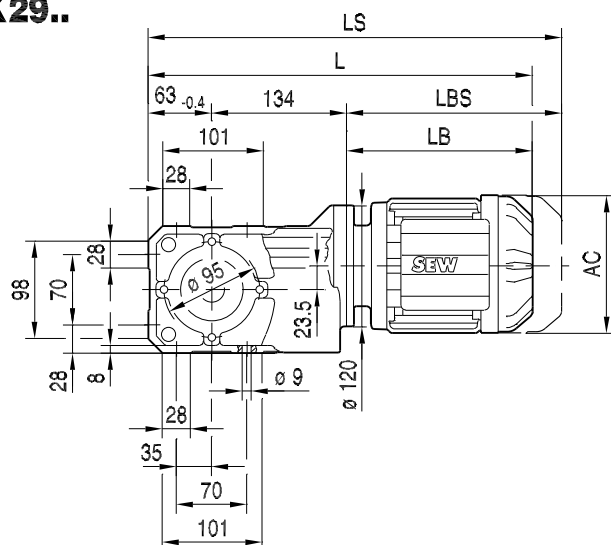
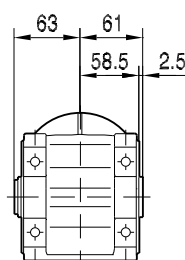
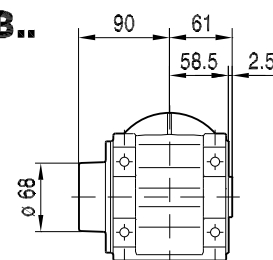
KH19..



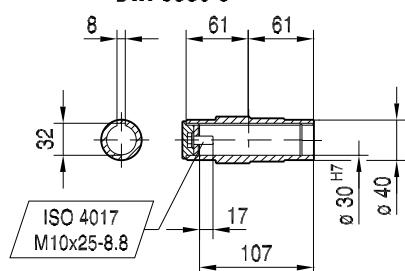
20272537/DE – 11/2015

(→ 144)	ER63..	DRK71S	DRK71M	DRK80S	DRK80M	DRK90M		
AC	132	139	139	156	156	179		
AD	105	172	172	182	182	193		
ADS	105	172	172	182	182	193		
L	357	368	393	403	434	438		
LS	412	436	461	484	515	531		
LB	191	202	227	237	268	272		
LBS	246	270	295	318	349	365		

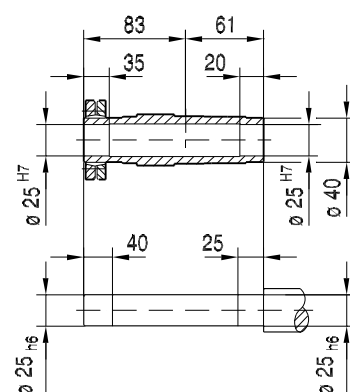
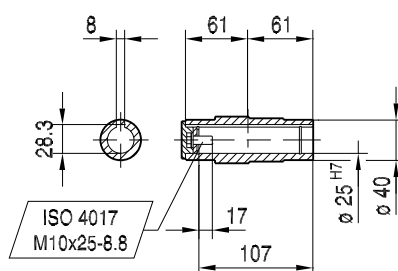
33 281 00 15

K29..**KA29B..****KH29B..**

Ø 30 H7
DIN 6885-3



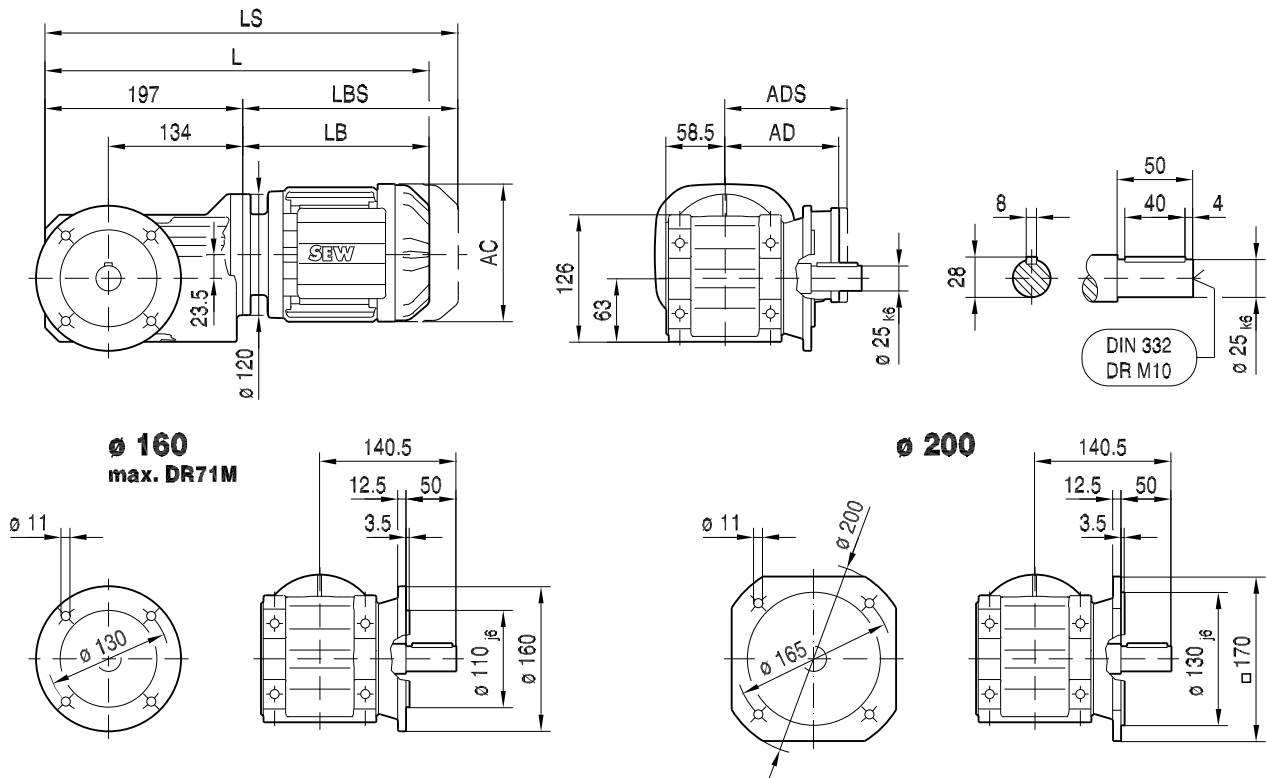
Ø 25 H7



(→ 144)	ER63..	DRK71S	DRK71M	DRK80S	DRK80M	DRK90M	DRK90L	
AC	132	139	139	156	156	179	179	
AD	105	172	172	182	182	193	193	
ADS	105	172	172	182	182	193	193	
L	388	399	424	434	465	469	489	
LS	443	467	492	515	546	562	582	
LB	191	202	227	237	268	272	292	
LBS	246	270	295	318	349	365	385	

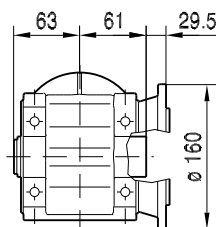
33 282 00 15

KF29B..

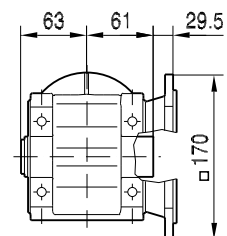


KAF29B..

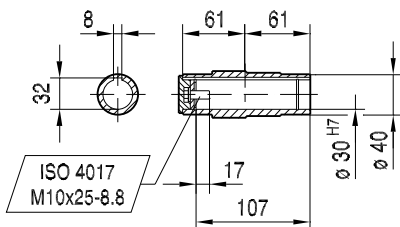
$\phi 160$ max. DR71M



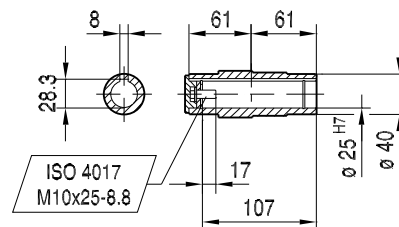
$\phi 200$



**$\phi 30$ H7
DIN 6985-3**

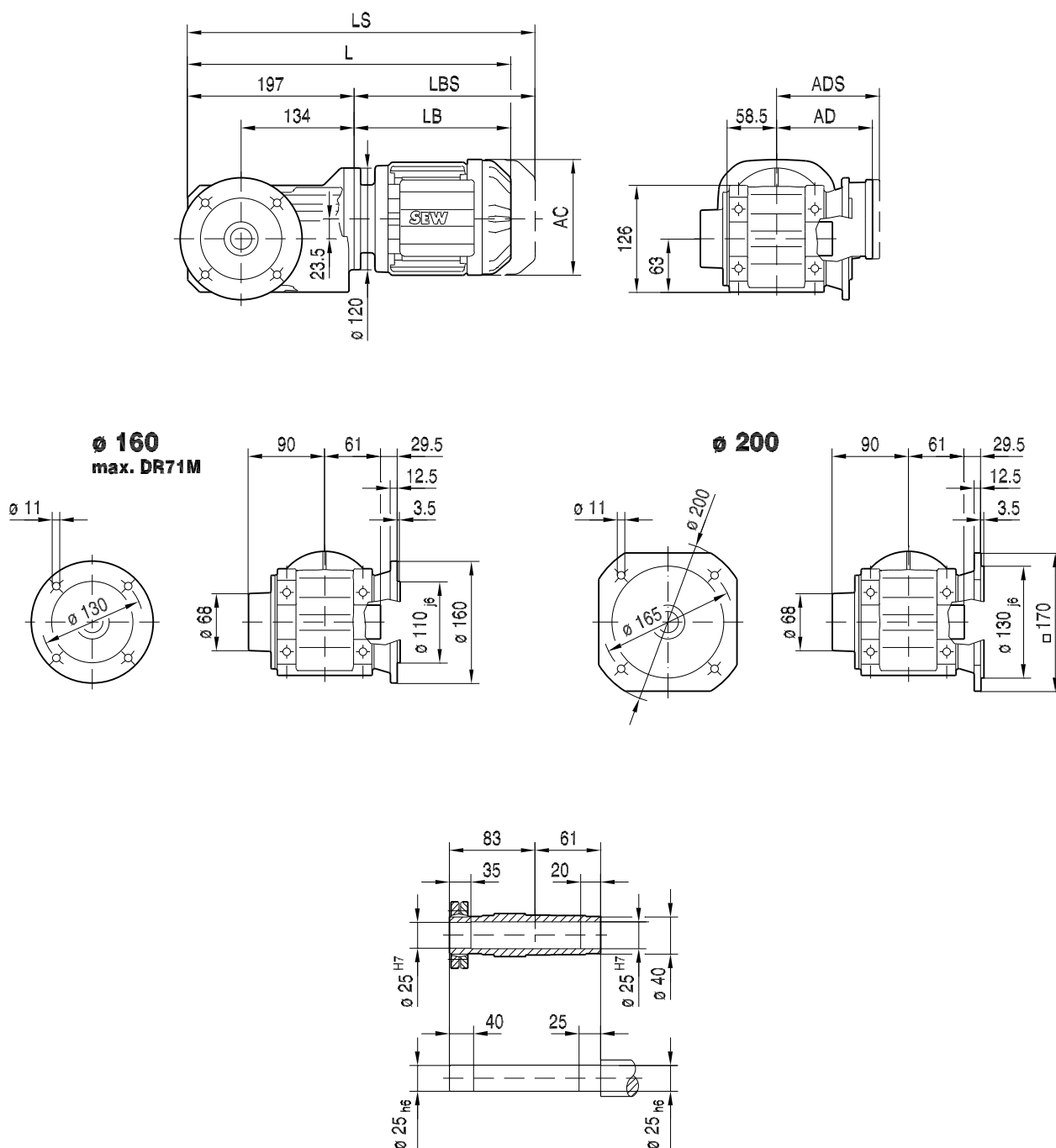


$\phi 25$ H7



(→ 144)	ER63..	DRK71S	DRK71M	DRK80S	DRK80M	DRK90M	DRK90L
AC	132	139	139	156	156	179	179
AD	105	172	172	182	182	193	193
ADS	105	172	172	182	182	193	193
L	388	399	424	434	465	469	489
LS	443	467	492	515	546	562	582
LB	191	202	227	237	268	272	292
LBS	246	270	295	318	349	365	385

33 283 00 15

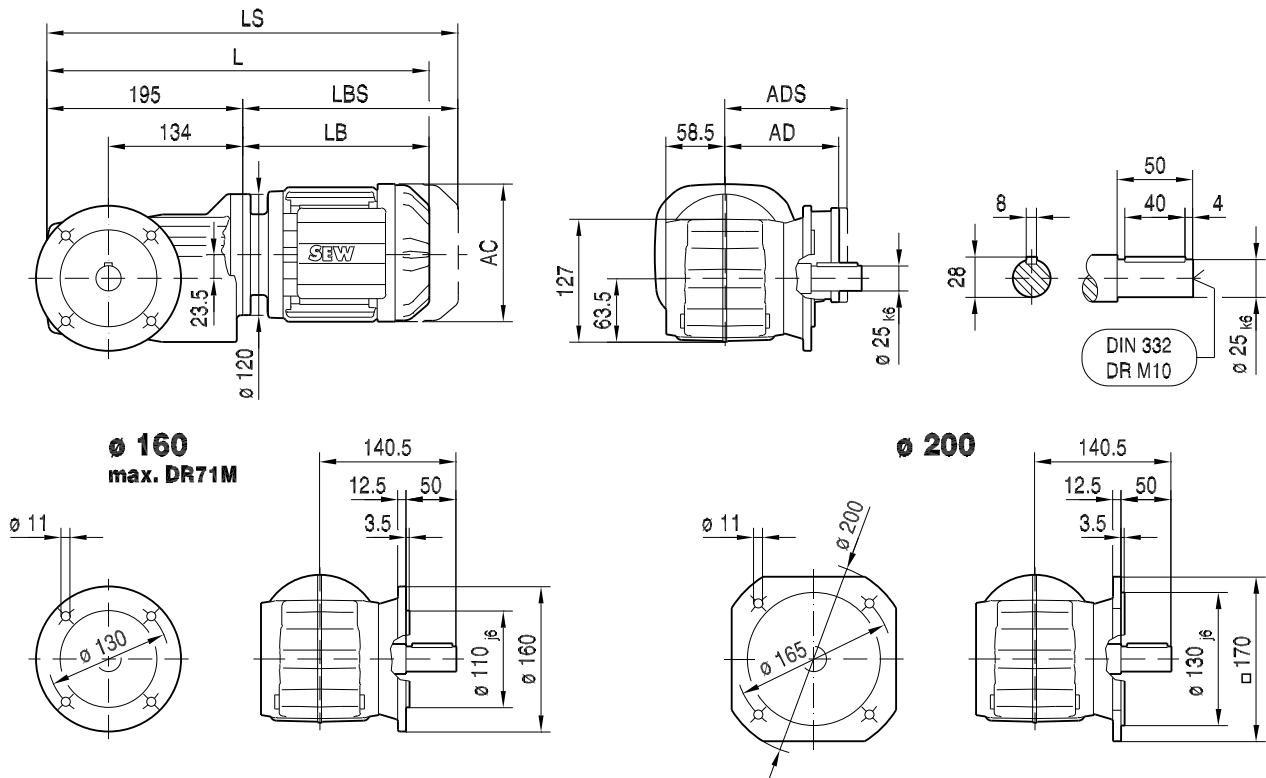
KHF29B..

(→ 144)	ER63..	DRK71S	DRK71M	DRK80S	DRK80M	DRK90M	DRK90L	
AC	132	139	139	156	156	179	179	
AD	105	172	172	182	182	193	193	
ADS	105	172	172	182	182	193	193	
L	388	399	424	434	465	469	489	
LS	443	467	492	515	546	562	582	
LB	191	202	227	237	268	272	292	
LBS	246	270	295	318	349	365	385	

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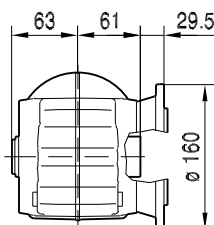
33 284 00 15

KF29..

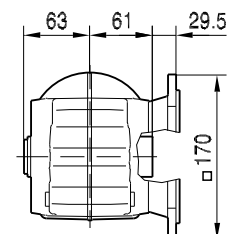


KAF29..

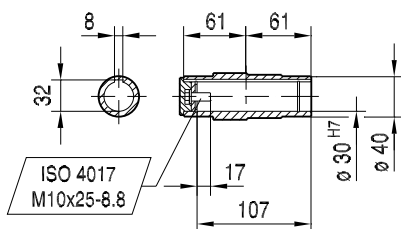
**$\phi 160$
max. DR71M**



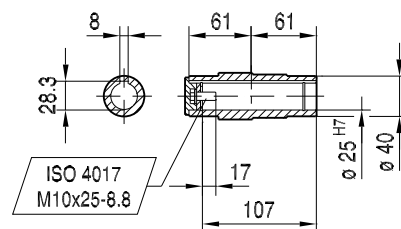
$\phi 200$



**$\phi 30 \text{ H7}$
DIN 6985-3**

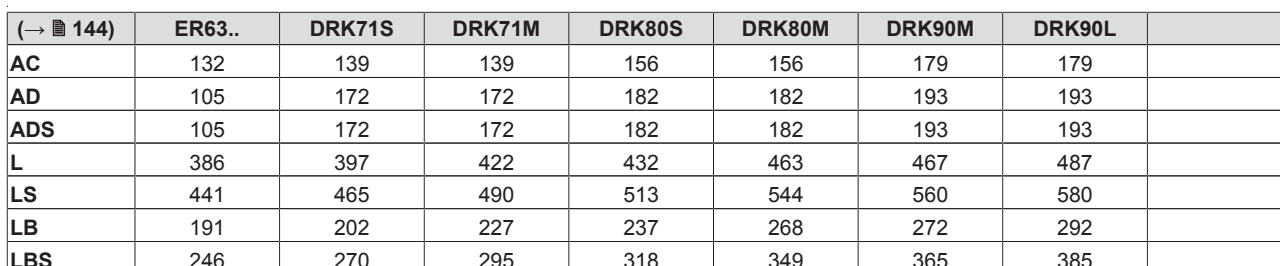


$\phi 25 \text{ H7}$



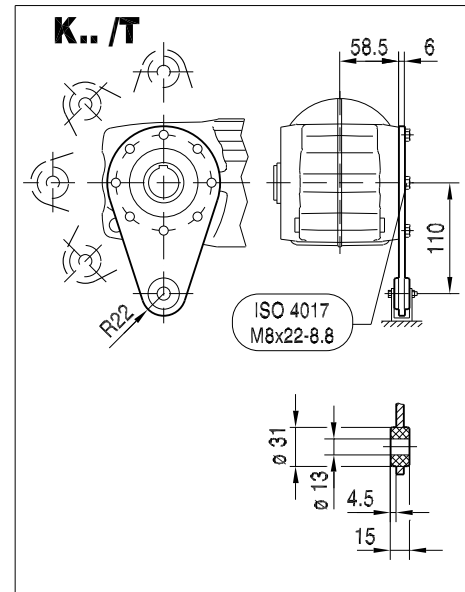
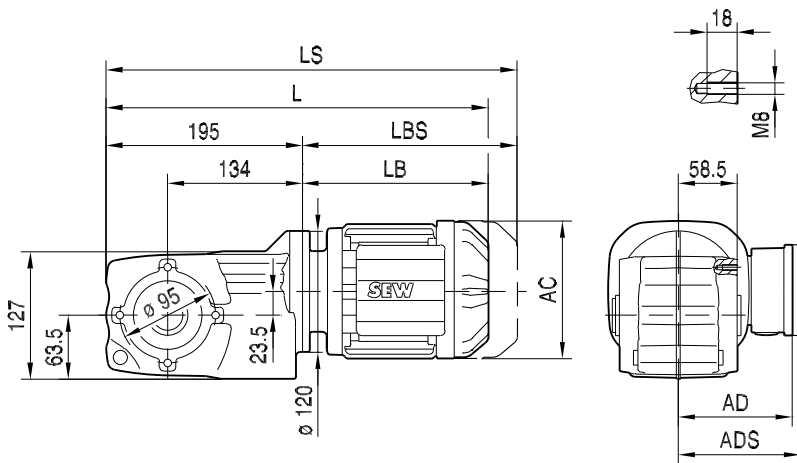
(→ 144)	ER63..	DRK71S	DRK71M	DRK80S	DRK80M	DRK90M	DRK90L
AC	132	139	139	156	156	179	179
AD	105	172	172	182	182	193	193
ADS	105	172	172	182	182	193	193
L	386	397	422	432	463	467	487
LS	441	465	490	513	544	560	580
LB	191	202	227	237	268	272	292
LBS	246	270	295	318	349	365	385

KHF29..

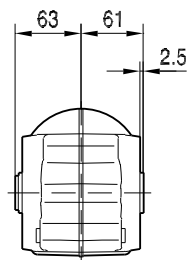


KA29..

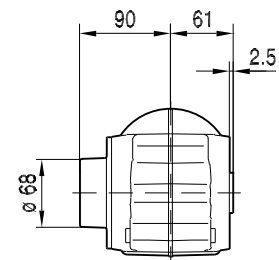
33 286 00 15



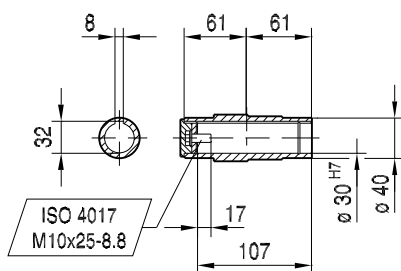
KA29..



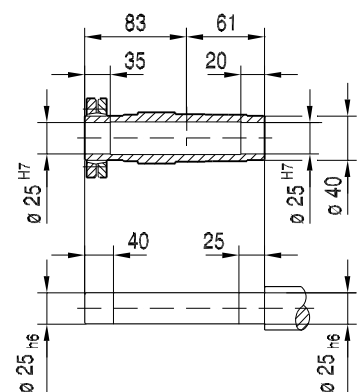
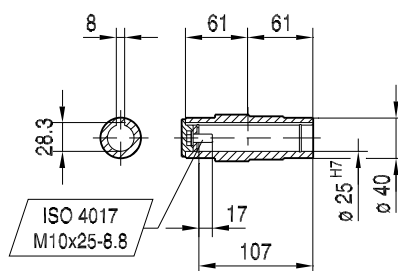
KH29..



**ø 30 H7
DIN 6885-3**



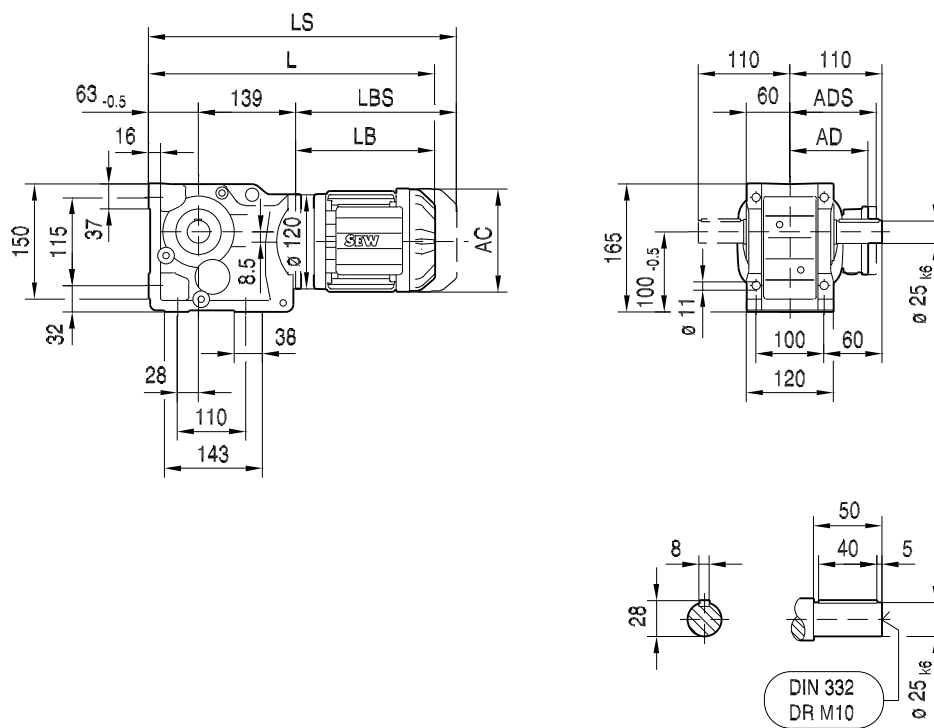
ø 25 H7



(→ 144)	ER63..	DRK71S	DRK71M	DRK80S	DRK80M	DRK90M	DRK90L	
AC	132	139	139	156	156	179	179	
AD	105	172	172	182	182	193	193	
ADS	105	172	172	182	182	193	193	
L	386	397	422	432	463	467	487	
LS	441	465	490	513	544	560	580	
LB	191	202	227	237	268	272	292	
LBS	246	270	295	318	349	365	385	

33 295 00 15

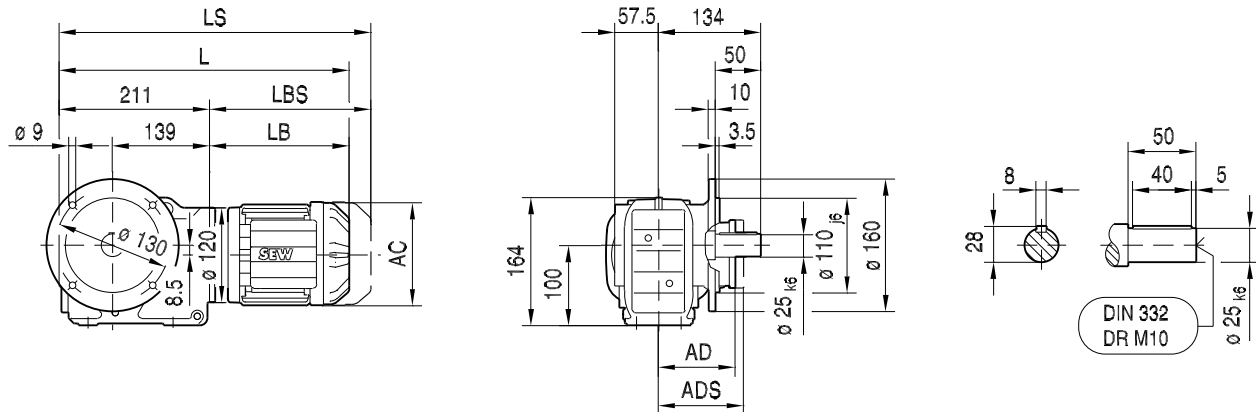
K37..



(→ 144)	ER63..	DRK71S	DRK71M	DRK80S	DRK80M	DRK90M	DRK90L	
AC	132	139	139	156	156	179	179	
AD	105	172	172	182	182	193	193	
ADS	105	172	172	182	182	193	193	
L	393	404	429	439	470	474	494	
LS	448	472	497	520	551	567	587	
LB	191	202	227	237	268	272	292	
LBS	246	270	295	318	349	365	385	

KF37..

33 296 00 15

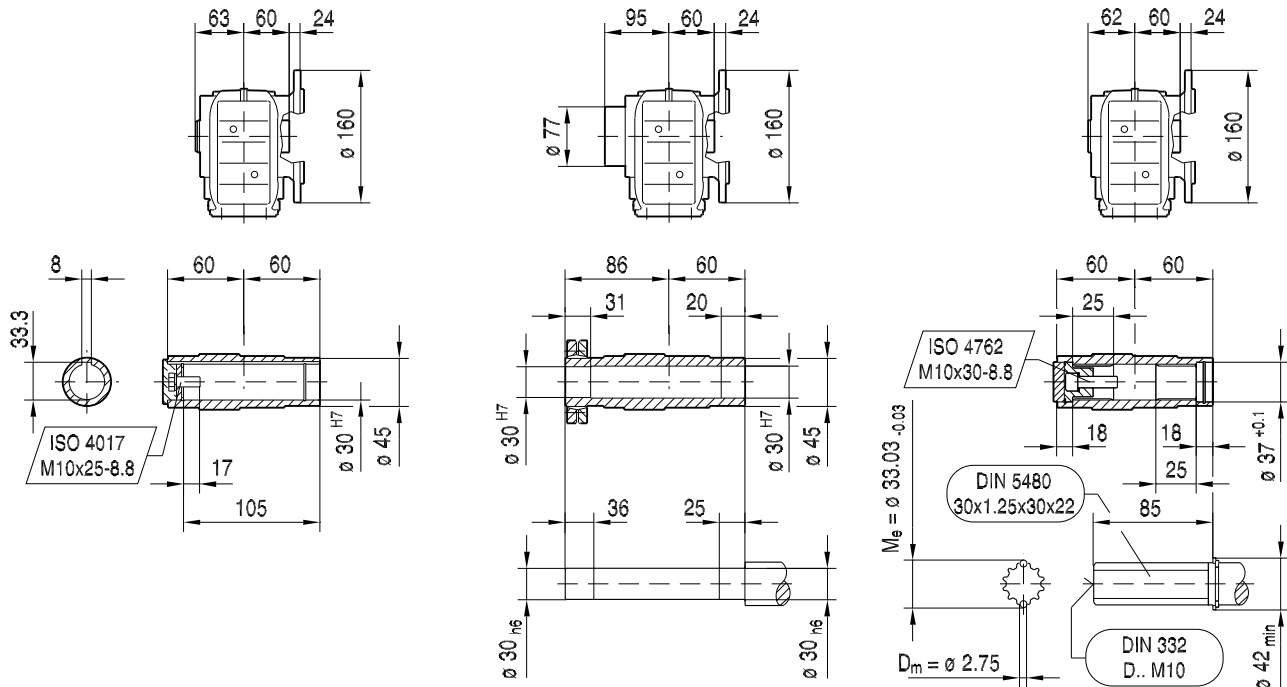


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KAF37..

KHF37..

KVF37..

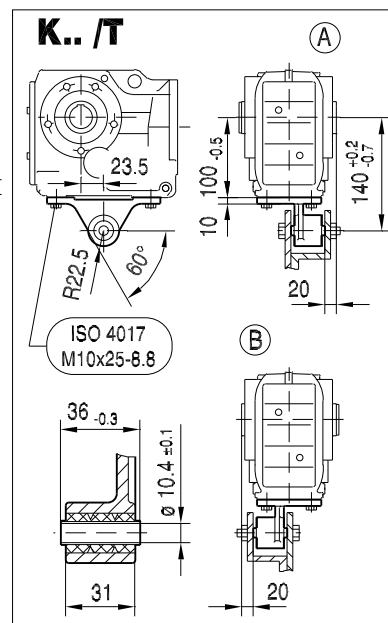
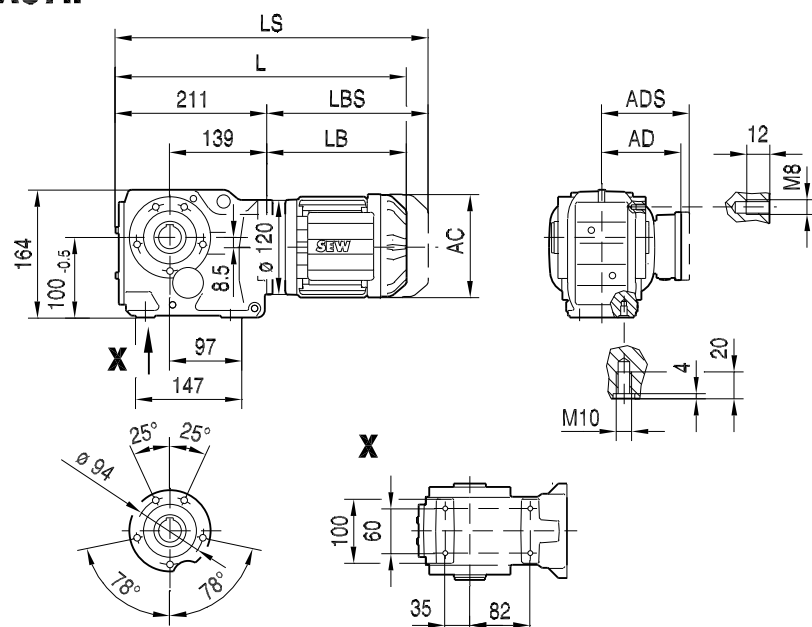


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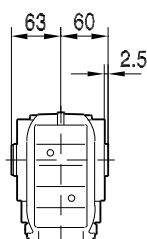
(→ 144)	ER63..	DRK71S	DRK71M	DRK80S	DRK80M	DRK90M	DRK90L	
AC	132	139	139	156	156	179	179	
AD	105	172	172	182	182	193	193	
ADS	105	172	172	182	182	193	193	
L	402	413	438	448	479	483	503	
LS	457	481	506	529	560	576	596	
LB	191	202	227	237	268	272	292	
LBS	246	270	295	318	349	365	385	

33 297 00 15

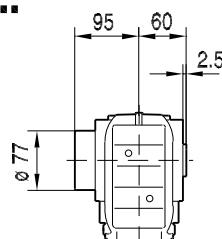
KA37..



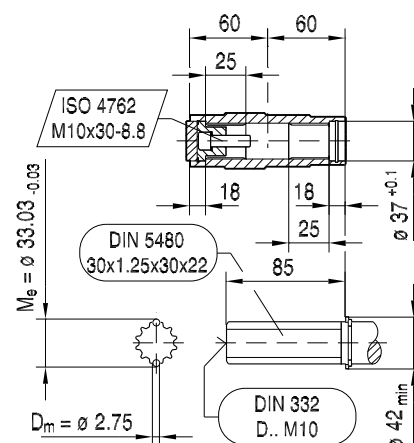
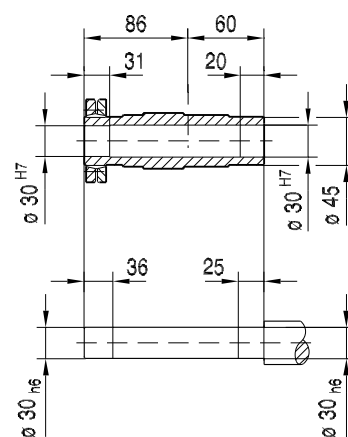
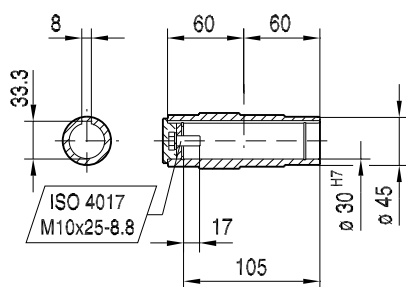
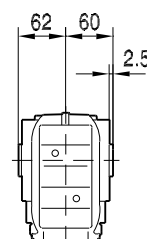
KA37..



KH37..



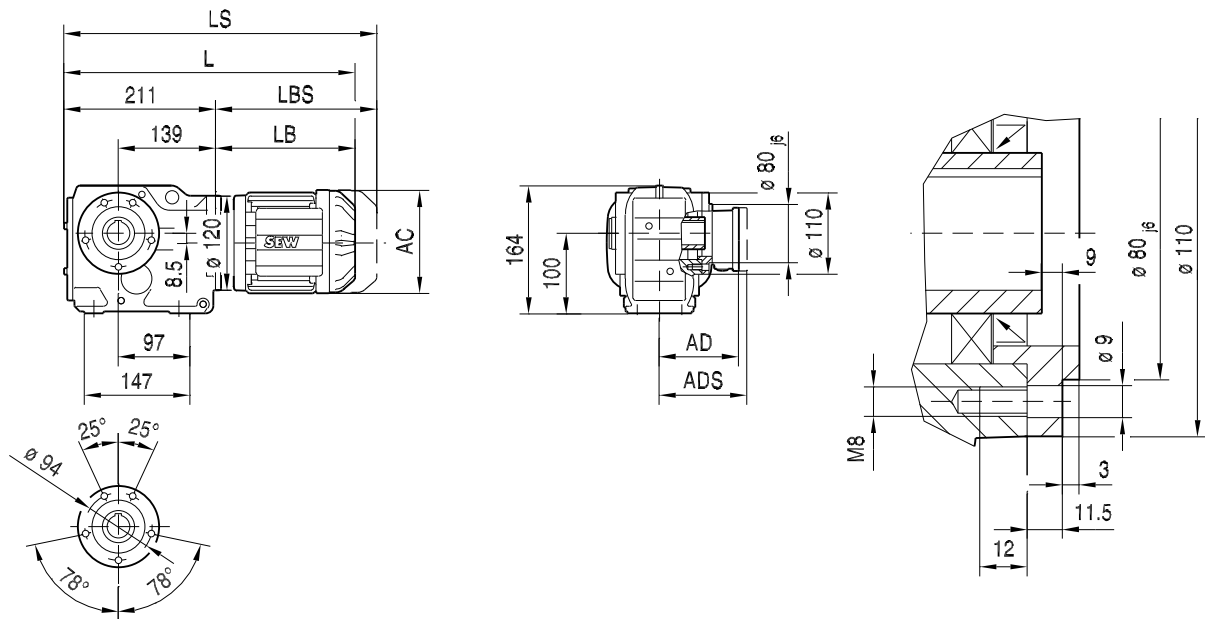
KV37..



(→ 144)	ER63..	DRK71S	DRK71M	DRK80S	DRK80M	DRK90M	DRK90L	
AC	132	139	139	156	156	179	179	
AD	105	172	172	182	182	193	193	
ADS	105	172	172	182	182	193	193	
L	402	413	438	448	479	483	503	
LS	457	481	506	529	560	576	596	
LB	191	202	227	237	268	272	292	
LBS	246	270	295	318	349	365	385	

KAZ37..

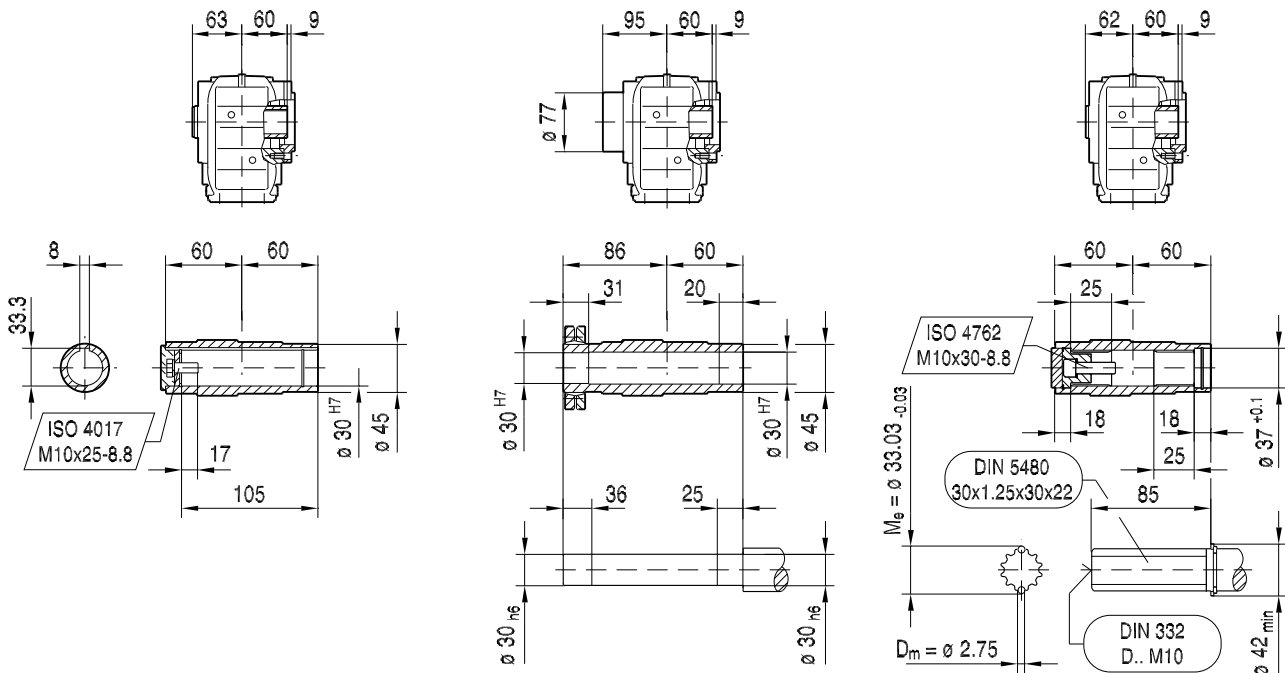
33 298 00 15



KAZ37..

KHZ37..

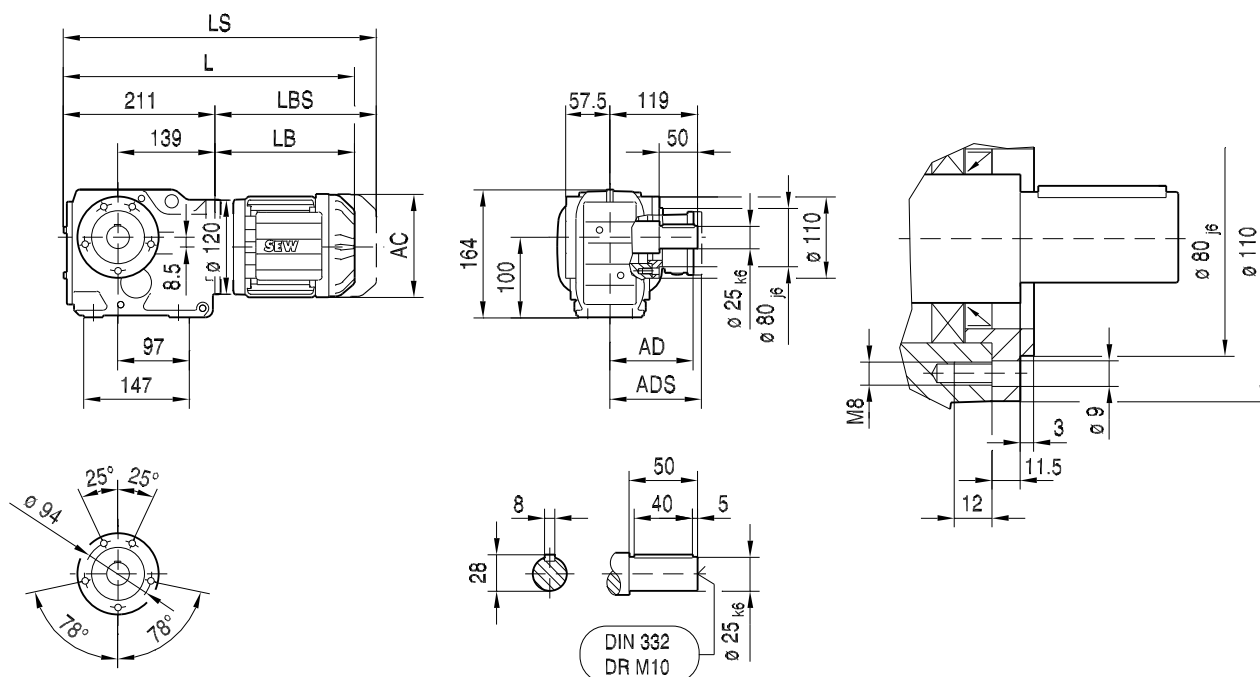
KVZ37..



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(→ 144)	ER63..	DRK71S	DRK71M	DRK80S	DRK80M	DRK90M	DRK90L	
AC	132	139	139	156	156	179	179	
AD	105	172	172	182	182	193	193	
ADS	105	172	172	182	182	193	193	
L	402	413	438	448	479	483	503	
LS	457	481	506	529	560	576	596	
LB	191	202	227	237	268	272	292	
LBS	246	270	295	318	349	365	385	

33 299 00 15

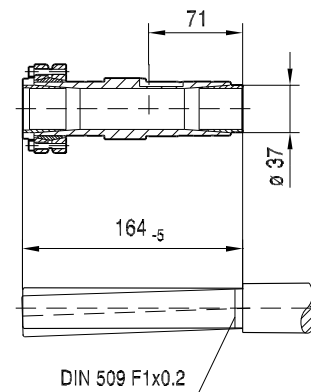
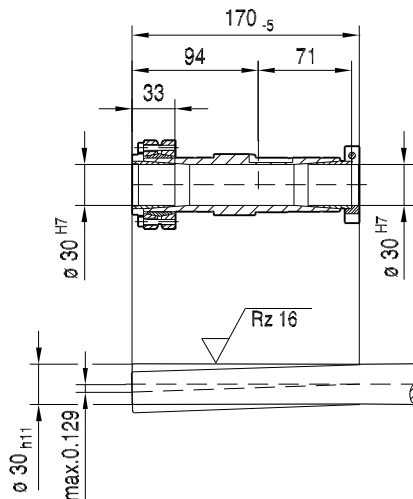
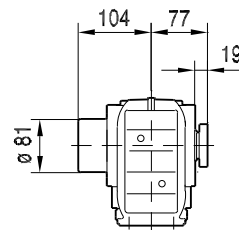
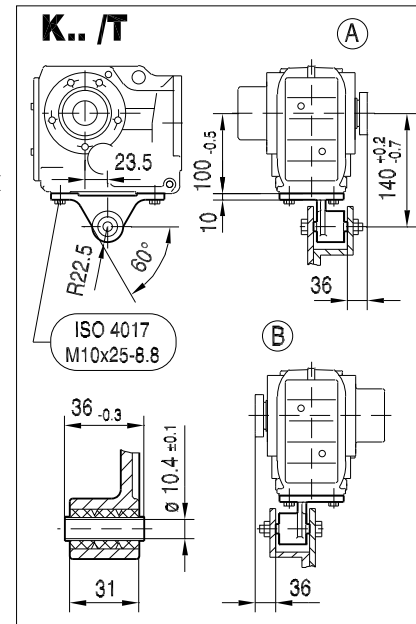
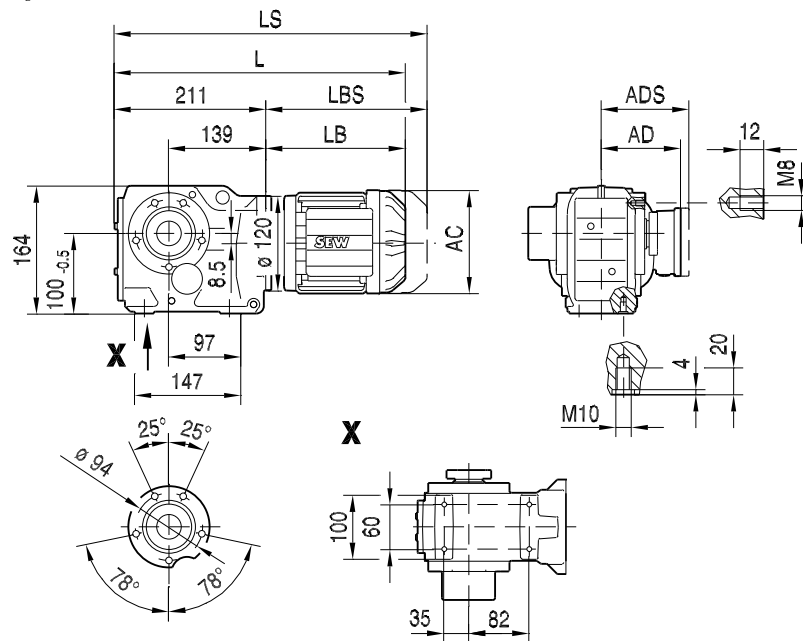
KZ37..

(→ 144)	ER63..	DRK71S	DRK71M	DRK80S	DRK80M	DRK90M	DRK90L	
AC	132	139	139	156	156	179	179	
AD	105	172	172	182	182	193	193	
ADS	105	172	172	182	182	193	193	
L	402	413	438	448	479	483	503	
LS	457	481	506	529	560	576	596	
LB	191	202	227	237	268	272	292	
LBS	246	270	295	318	349	365	385	

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KT37..

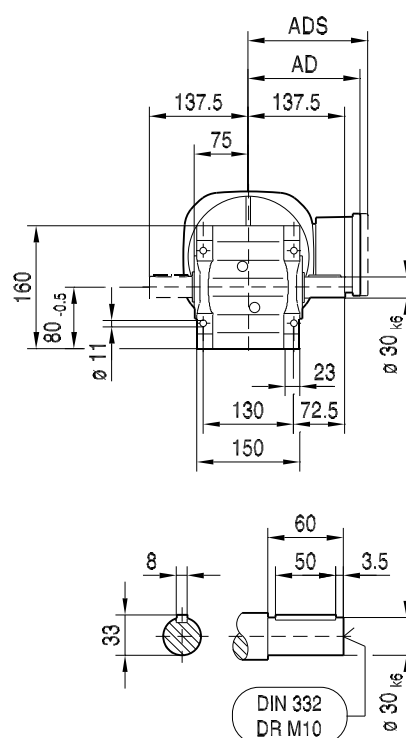
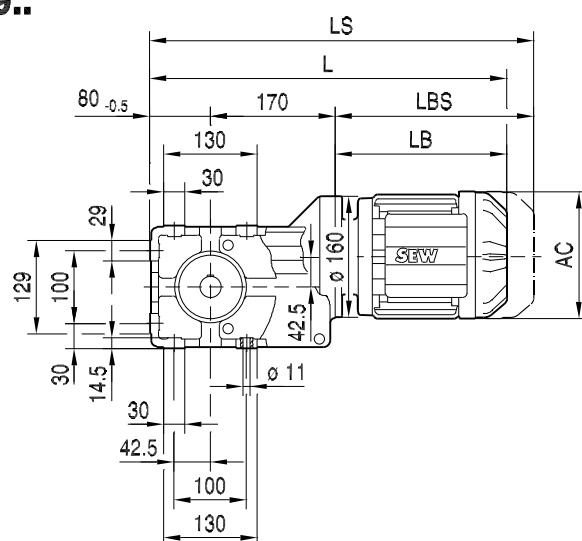
33 300 00 15



(→ 144)	ER63..	DRK71S	DRK71M	DRK80S	DRK80M	DRK90M	DRK90L	
AC	132	139	139	156	156	179	179	
AD	105	172	172	182	182	193	193	
ADS	105	172	172	182	182	193	193	
L	402	413	438	448	479	483	503	
LS	457	481	506	529	560	576	596	
LB	191	202	227	237	268	272	292	
LBS	246	270	295	318	349	365	385	

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33 287 00 15

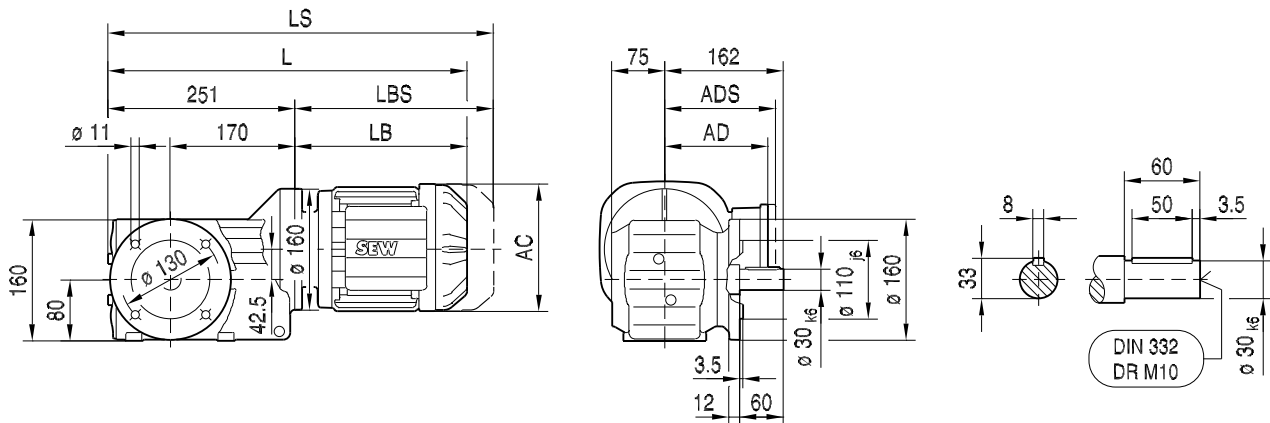
K39..

(→ 144)	DRK71M	DRK80S	DRK80M	DRK90M	DRK90L			
AC	139	156	156	179	179			
AD	172	182	182	193	193			
ADS	172	182	182	193	193			
L	471	480	511	513	533			
LS	539	561	592	606	626			
LB	221	230	261	263	283			
LBS	289	311	342	356	376			

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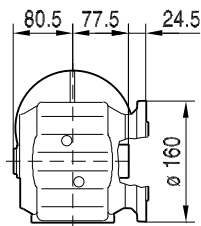
33 288 00 15

KF39..

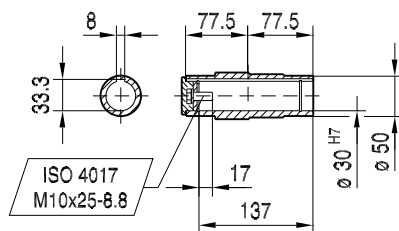


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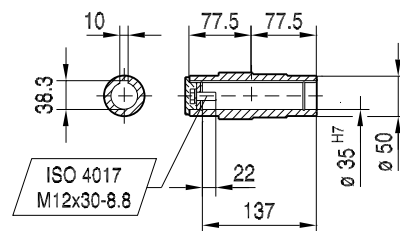
KAF39..



$\phi 30$ H7



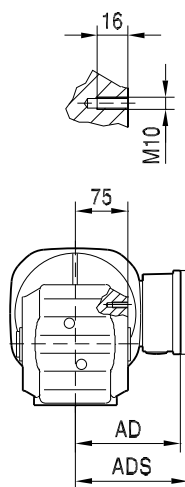
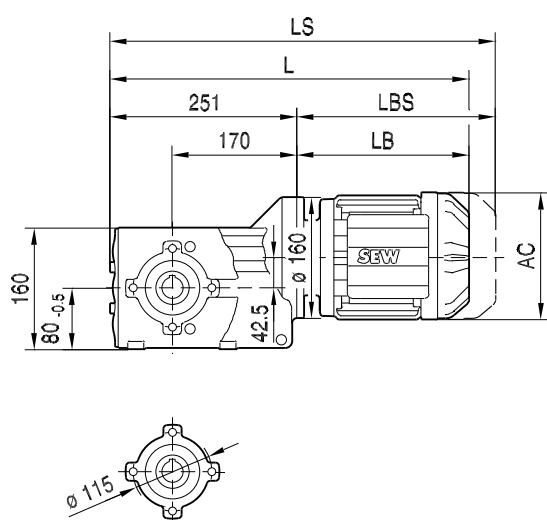
$\phi 35$ H7



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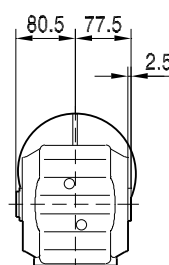
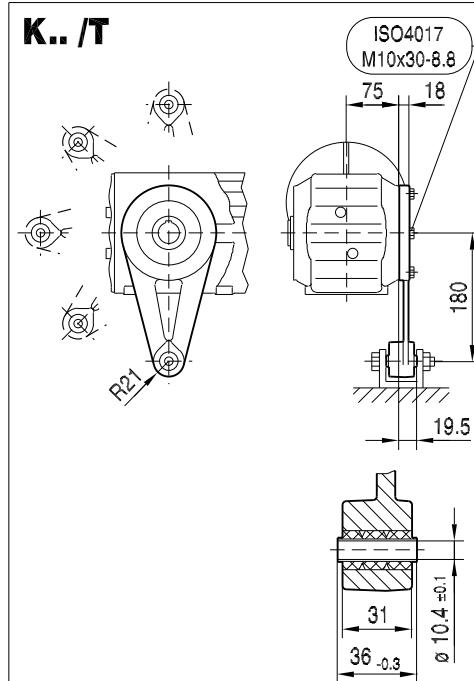
(→ 144)	DRK71M	DRK80S	DRK80M	DRK90M	DRK90L			
AC	139	156	156	179	179			
AD	172	182	182	193	193			
ADS	172	182	182	193	193			
L	472	481	512	514	534			
LS	540	562	593	607	627			
LB	221	230	261	263	283			
LBS	289	311	342	356	376			

KA39..

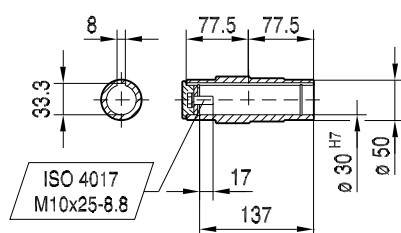


33 289 00 15

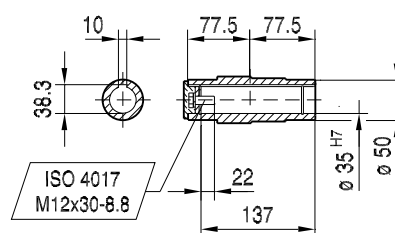
K.. /T



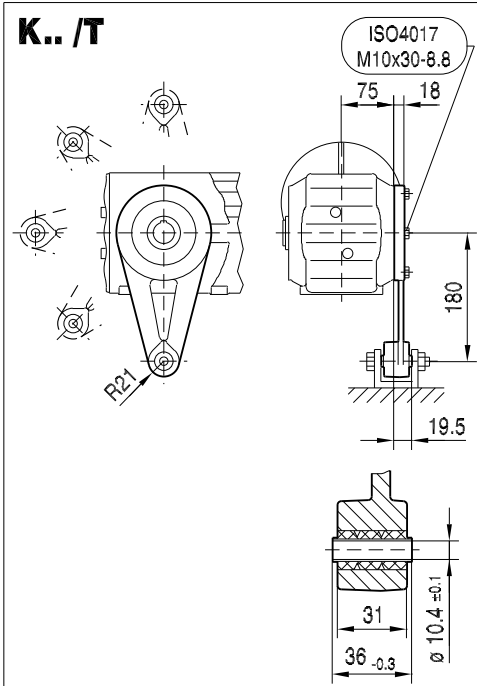
Ø 30 H7



Ø 35 H7

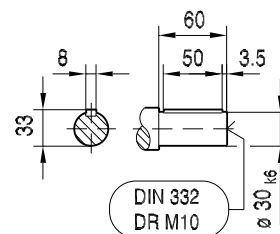
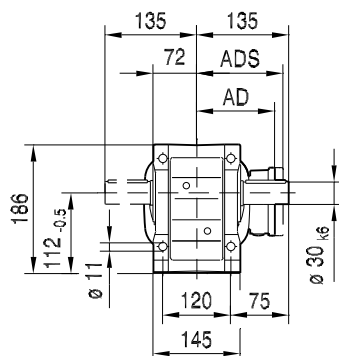
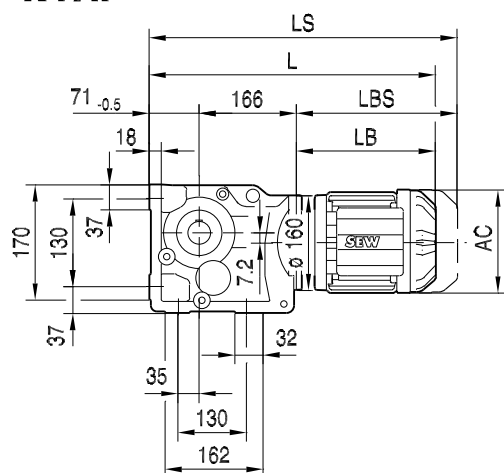
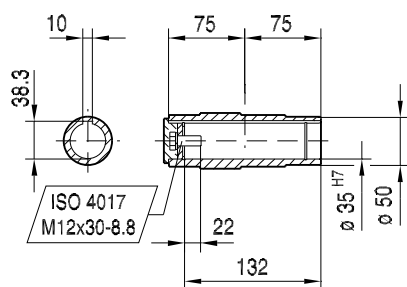
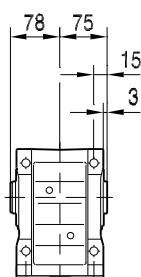
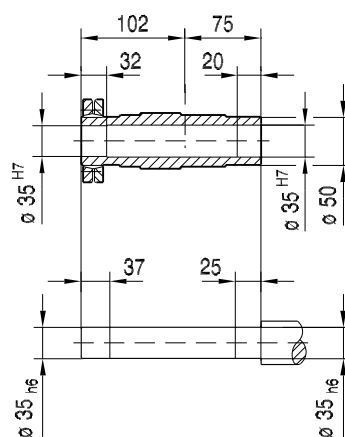
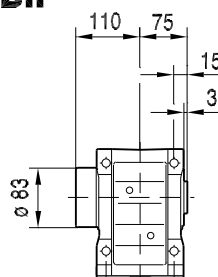
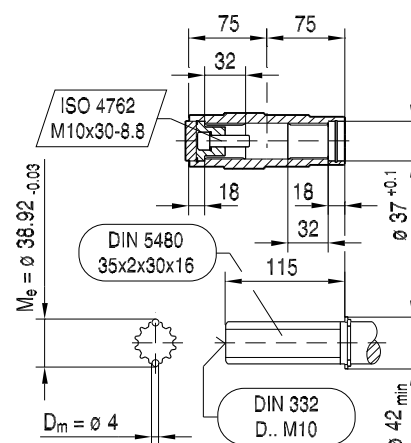
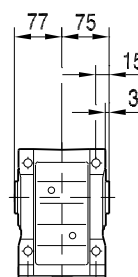


(→ 144)	DRK71M	DRK80S	DRK80M	DRK90M	DRK90L			
AC	139	156	156	179	179			
AD	172	182	182	193	193			
ADS	172	182	182	193	193			
L	472	481	512	514	534			
LS	540	562	593	607	627			
LB	221	230	261	263	283			
LBS	289	311	342	356	376			

K_{∞}/T 

(→ 📄 144)	DRK71M	DRK80S	DRK80M	DRK90M	DRK90L			
AC	139	156	156	179	179			
AD	172	182	182	193	193			
ADS	172	182	182	193	193			
L	472	481	512	514	534			
LS	540	562	593	607	627			
LB	221	230	261	263	283			
LBS	289	311	342	356	376			

33 301 00 15

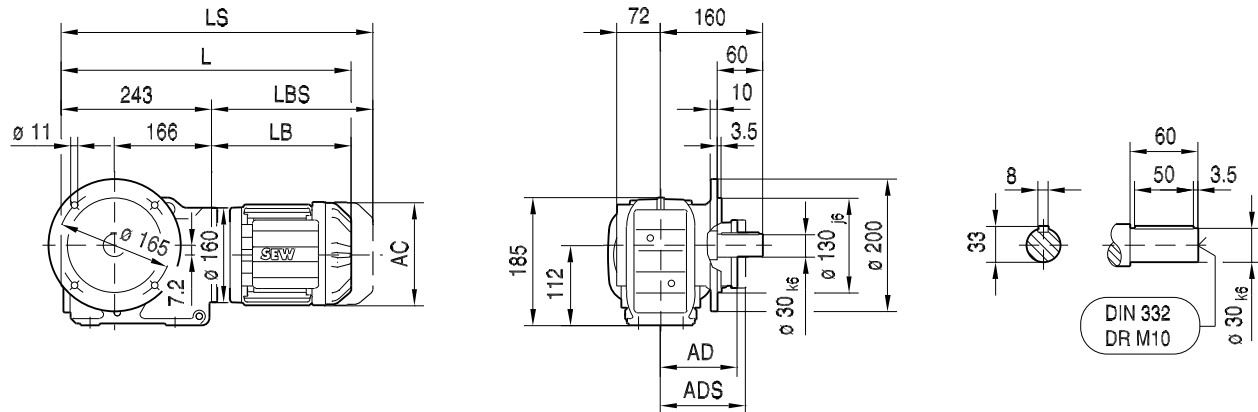
K47..**KA47B..****KH47B..****KV47B..**

(→ 144)	ER63..	DRK71S	DRK71M	DRK80S	DRK80M	DRK90M	DRK90L	
AC	132	139	139	156	156	179	179	
AD	105	172	172	182	182	193	193	
ADS	105	172	172	182	182	193	193	
L	422	433	458	467	498	500	520	
LS	477	501	526	548	579	593	613	
LB	185	196	221	230	261	263	283	
LBS	240	264	289	311	342	356	376	

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KF47..

33 302 00 15

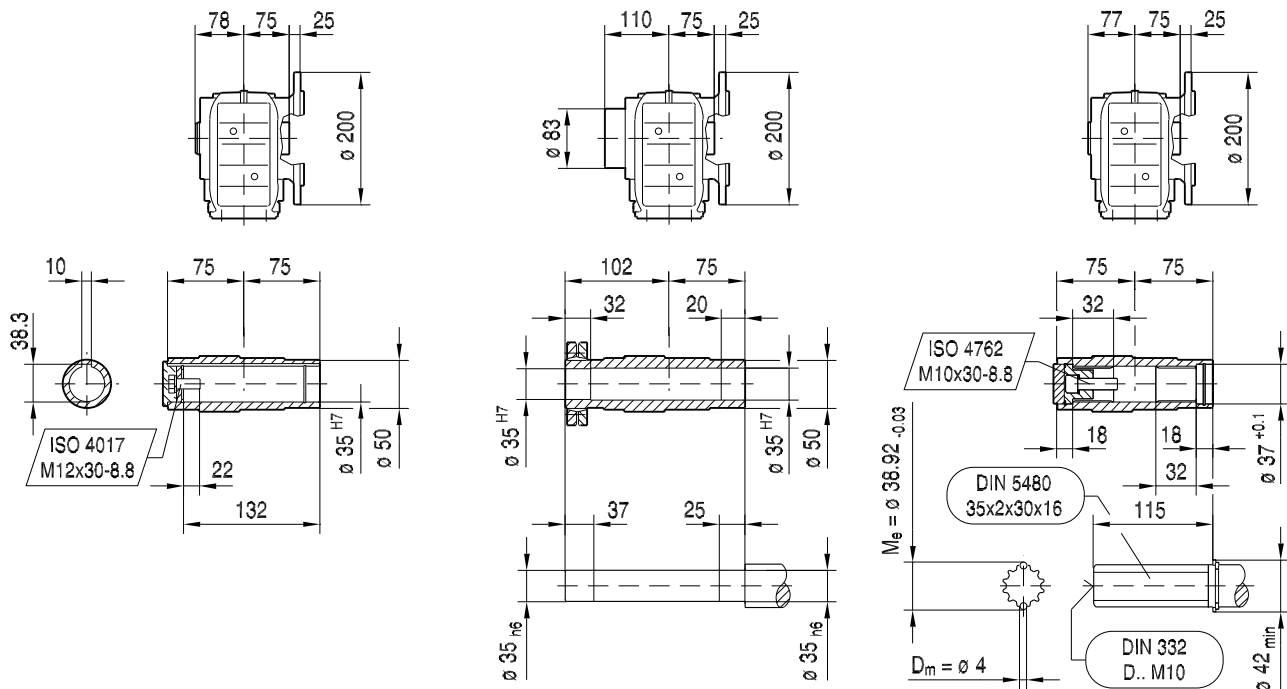


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KAF47..

KHF47..

KVF47..

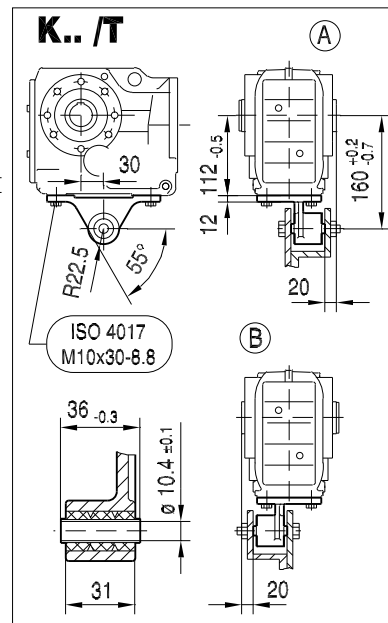
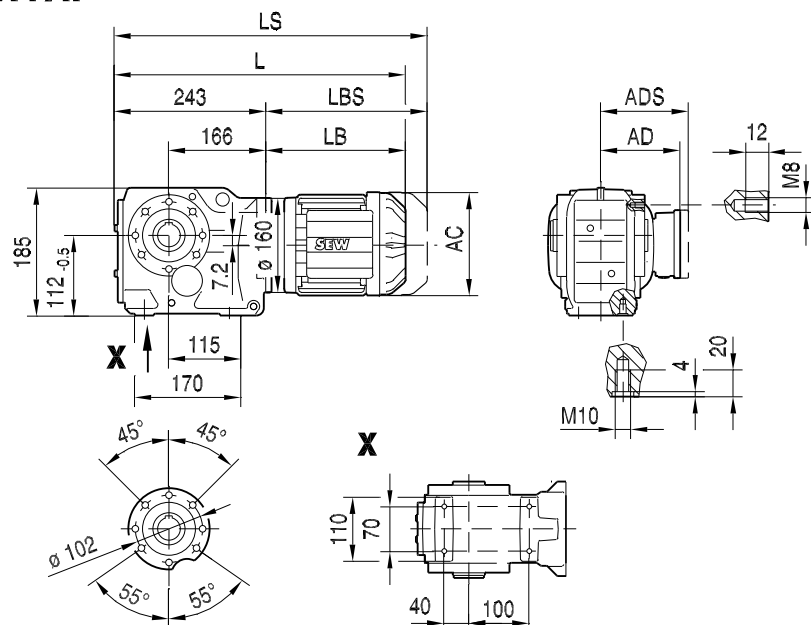


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(→ 144)	ER63..	DRK71S	DRK71M	DRK80S	DRK80M	DRK90M	DRK90L	
AC	132	139	139	156	156	179	179	
AD	105	172	172	182	182	193	193	
ADS	105	172	172	182	182	193	193	
L	428	439	464	473	504	506	526	
LS	483	507	532	554	585	599	619	
LB	185	196	221	230	261	263	283	
LBS	240	264	289	311	342	356	376	

KA47..

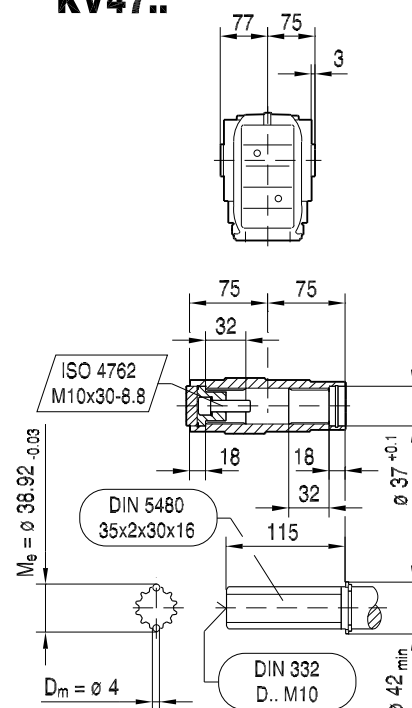
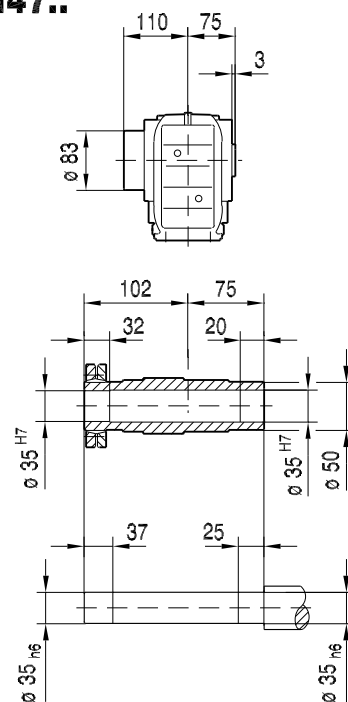
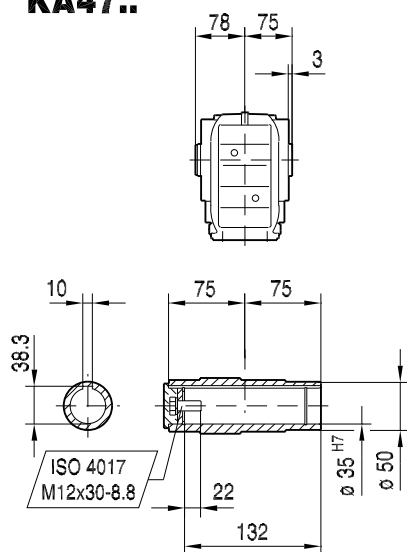
33 303 00 15



KA47..

KH47..

KV47..

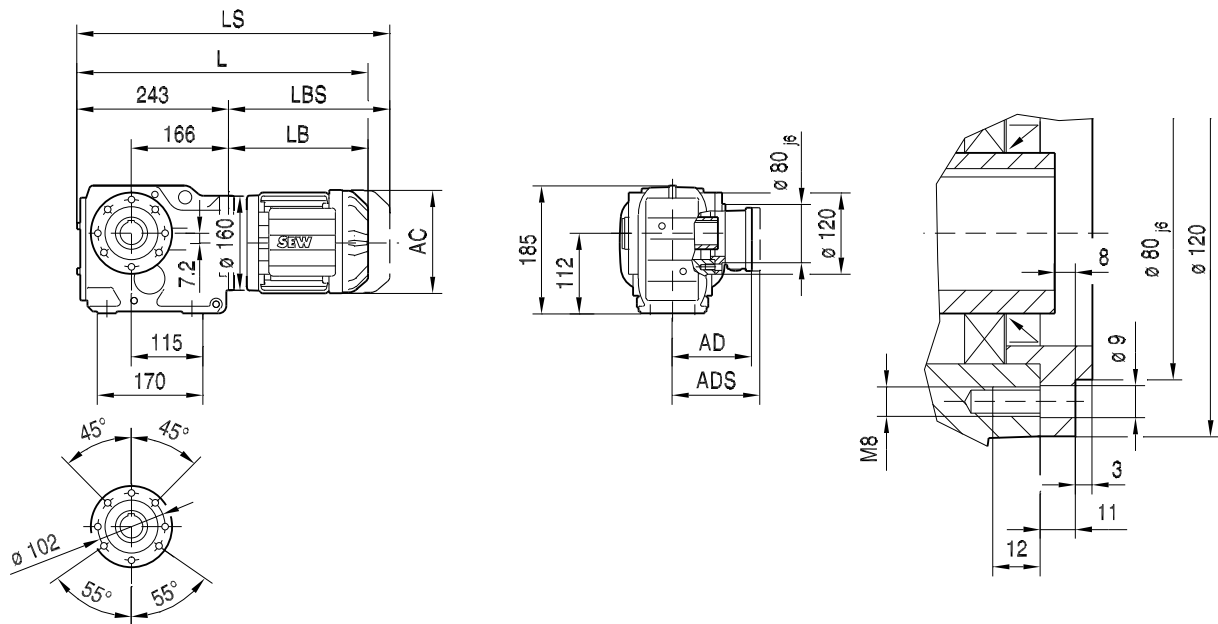


(→ 144)	ER63..	DRK71S	DRK71M	DRK80S	DRK80M	DRK90M	DRK90L	
AC	132	139	139	156	156	179	179	
AD	105	172	172	182	182	193	193	
ADS	105	172	172	182	182	193	193	
L	428	439	464	473	504	506	526	
LS	483	507	532	554	585	599	619	
LB	185	196	221	230	261	263	283	
LBS	240	264	289	311	342	356	376	

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KAZ47..

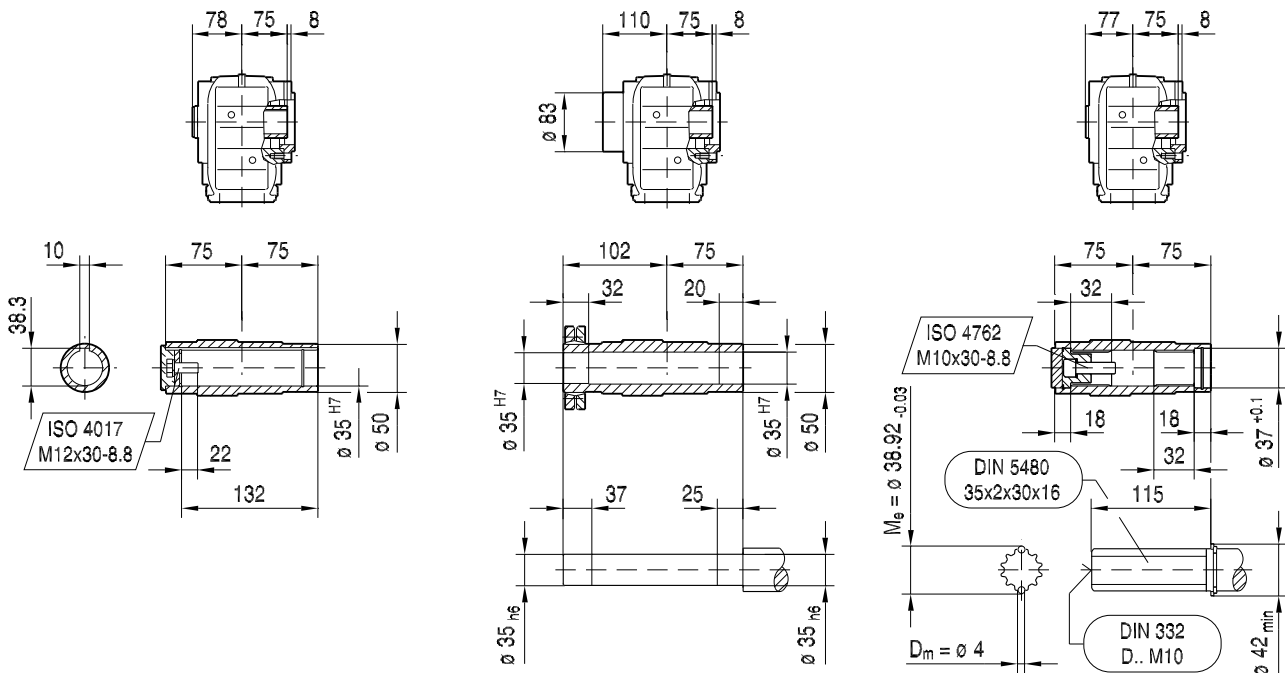
33 304 00 15



KAZ47..

KHZ47..

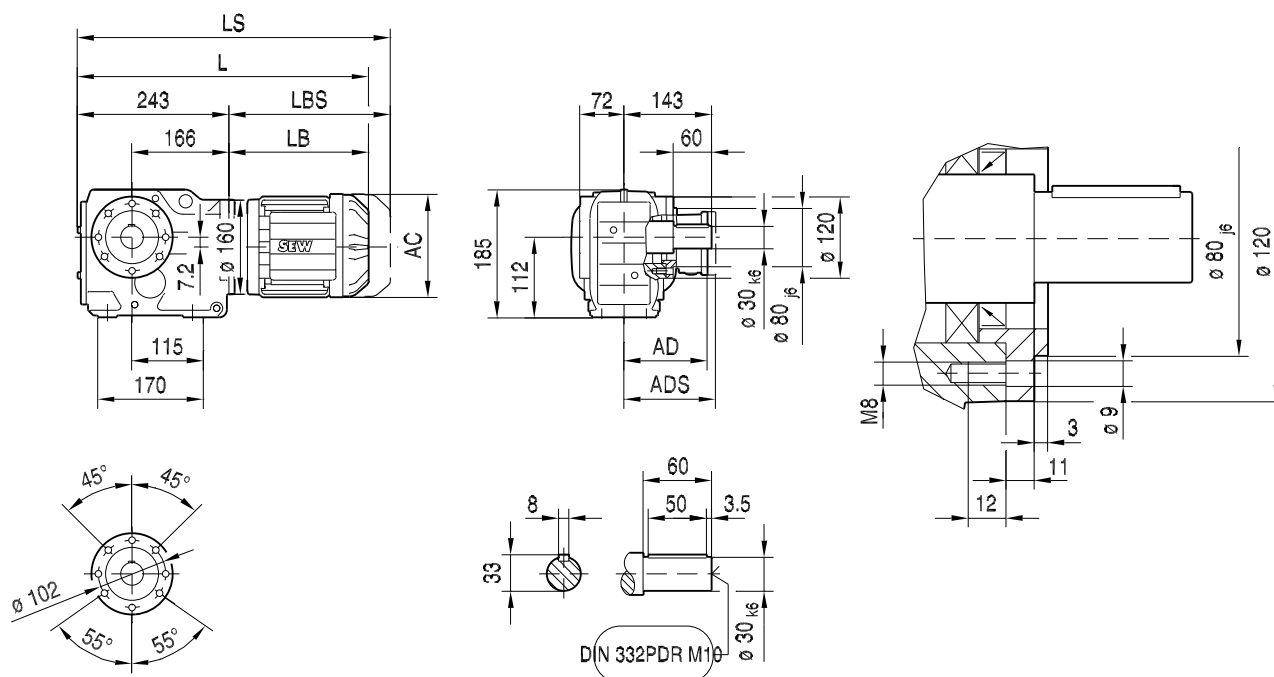
KVZ47..



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(→ 144)	ER63..	DRK71S	DRK71M	DRK80S	DRK80M	DRK90M	DRK90L	
AC	132	139	139	156	156	179	179	
AD	105	172	172	182	182	193	193	
ADS	105	172	172	182	182	193	193	
L	428	439	464	473	504	506	526	
LS	483	507	532	554	585	599	619	
LB	185	196	221	230	261	263	283	
LBS	240	264	289	311	342	356	376	

33 305 00 15

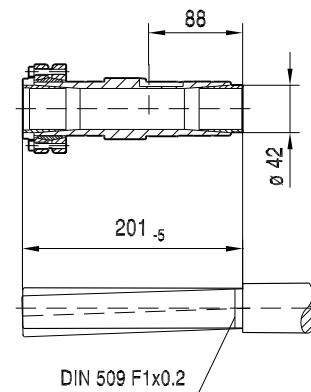
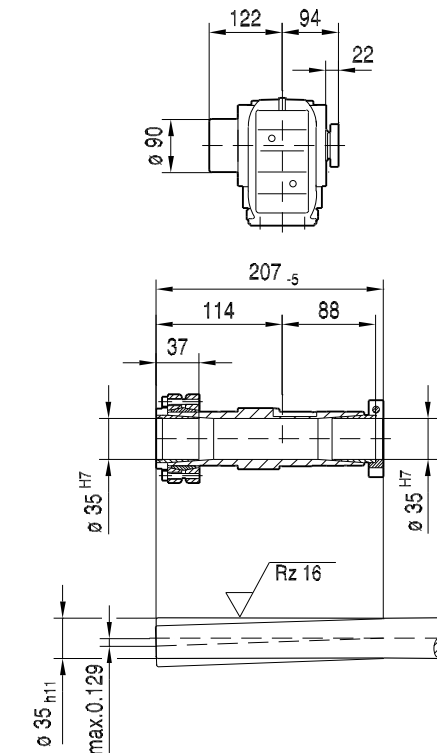
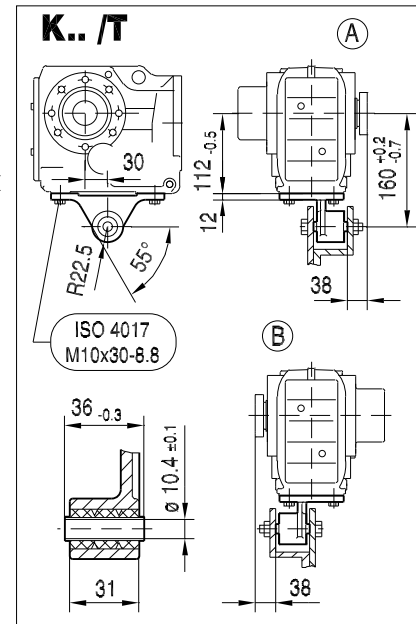
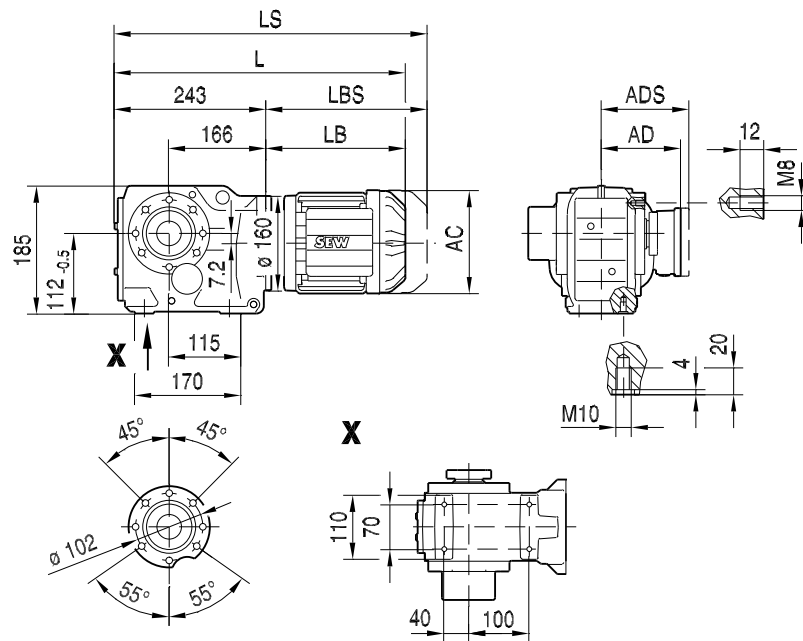
KZ47..

(→ 144)	ER63..	DRK71S	DRK71M	DRK80S	DRK80M	DRK90M	DRK90L	
AC	132	139	139	156	156	179	179	
AD	105	172	172	182	182	193	193	
ADS	105	172	172	182	182	193	193	
L	428	439	464	473	504	506	526	
LS	483	507	532	554	585	599	619	
LB	185	196	221	230	261	263	283	
LBS	240	264	289	311	342	356	376	

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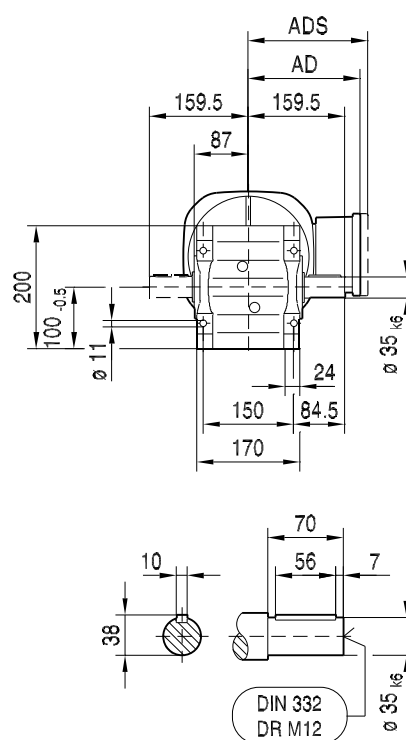
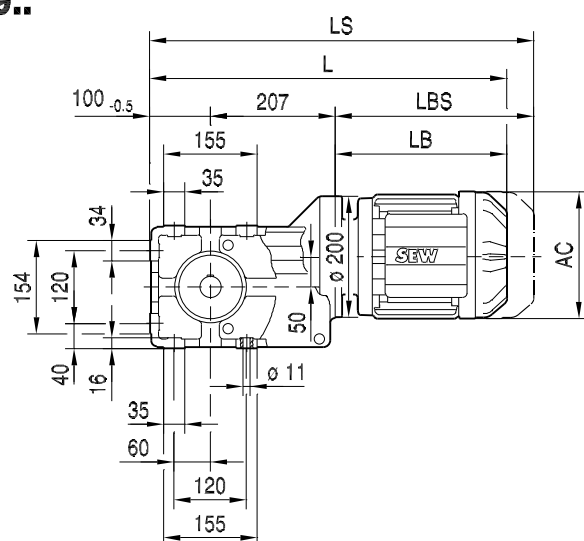
KT47..

33 306 00 15



(→ 144)	ER63..	DRK71S	DRK71M	DRK80S	DRK80M	DRK90M	DRK90L	
AC	132	139	139	156	156	179	179	
AD	105	172	172	182	182	193	193	
ADS	105	172	172	182	182	193	193	
L	428	439	464	473	504	506	526	
LS	483	507	532	554	585	599	619	
LB	185	196	221	230	261	263	283	
LBS	240	264	289	311	342	356	376	

33 291 00 15

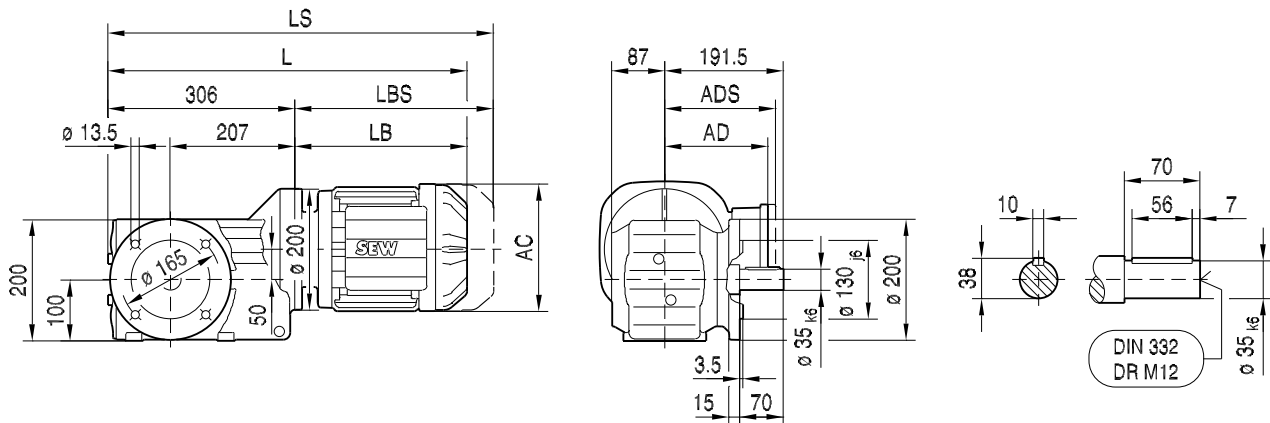
K49..

(→ 144)	DRK71M	DRK80S	DRK80M	DRK90M	DRK90L			
AC	139	156	156	179	179			
AD	172	182	182	193	193			
ADS	172	182	182	193	193			
L	521	530	561	563	583			
LS	589	611	642	656	676			
LB	214	223	254	256	276			
LBS	282	304	335	349	369			

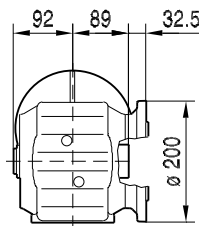
20272537/DE – 11/2015

33 292 00 15

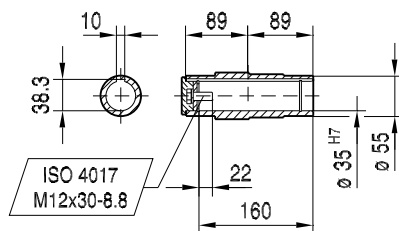
KF49..



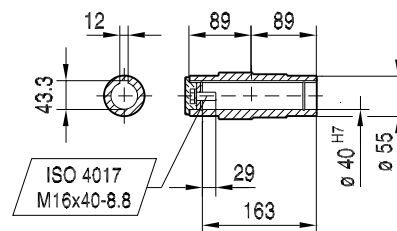
KAF49..



$\phi 35$ H7



$\phi 40$ H7

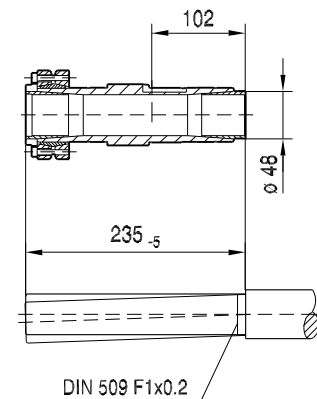
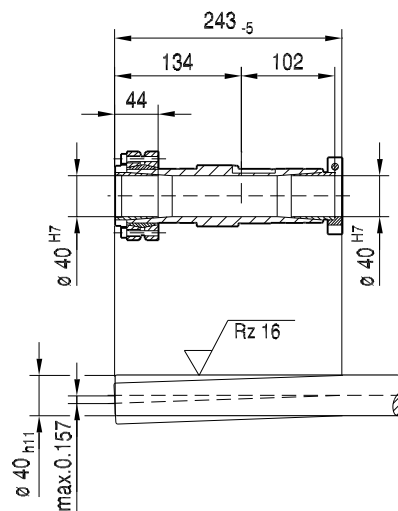
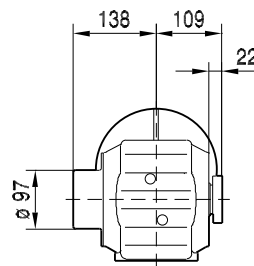
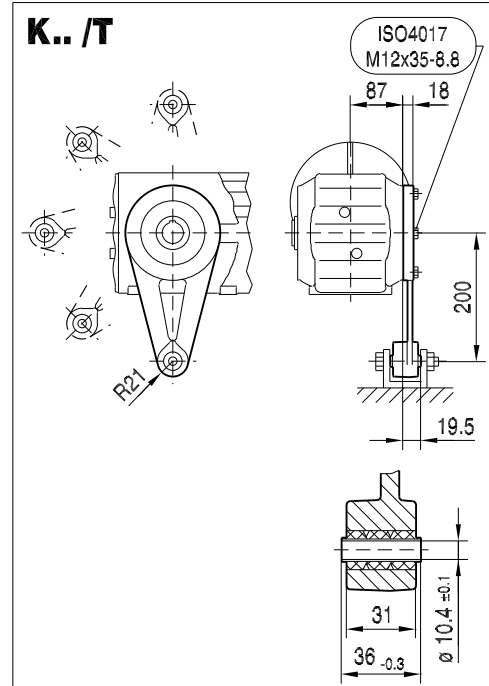
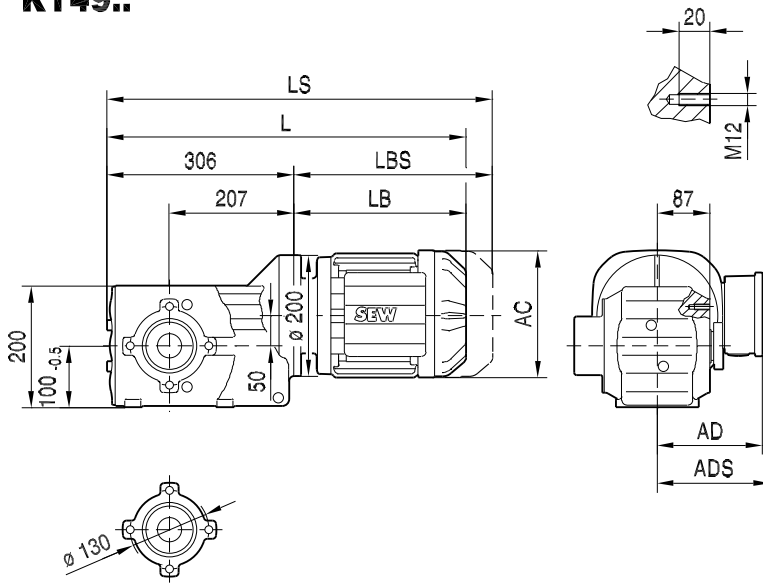


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(→ 144)	DRK71M	DRK80S	DRK80M	DRK90M	DRK90L			
AC	139	156	156	179	179			
AD	172	182	182	193	193			
ADS	172	182	182	193	193			
L	520	529	560	562	582			
LS	588	610	641	655	675			
LB	214	223	254	256	276			
LBS	282	304	335	349	369			

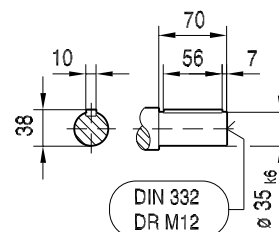
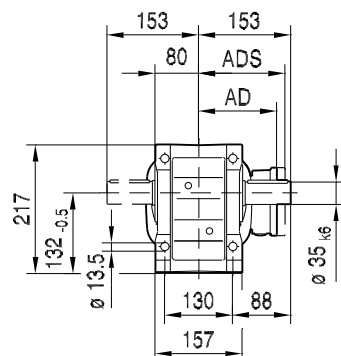
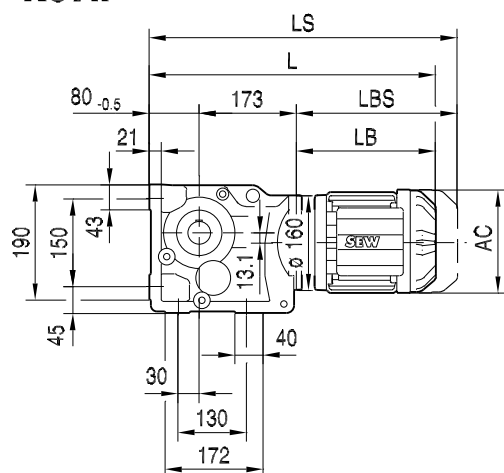
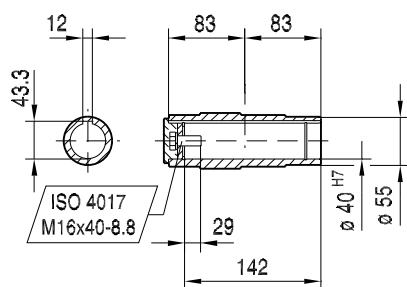
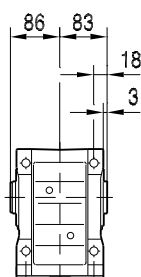
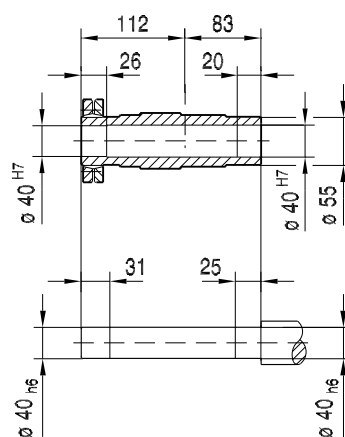
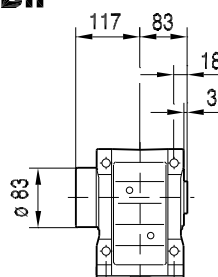
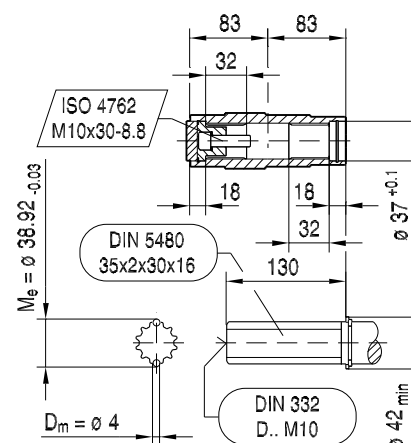
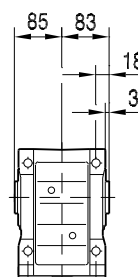
KT49..

33 294 00 15



(→ 144)	DRK71M	DRK80S	DRK80M	DRK90M	DRK90L			
AC	139	156	156	179	179			
AD	172	182	182	193	193			
ADS	172	182	182	193	193			
L	520	529	560	562	582			
LS	588	610	641	655	675			
LB	214	223	254	256	276			
LBS	282	304	335	349	369			

33 307 00 15

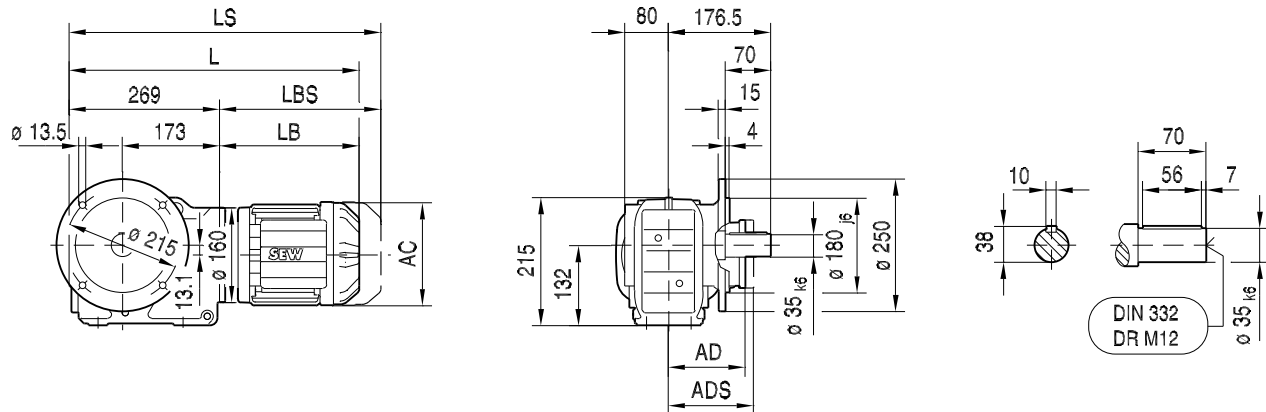
K57..**KA57B..****KH57B..****KV57B..**

(→ 144)	ER63..	DRK71S	DRK71M	DRK80S	DRK80M	DRK90M	DRK90L	
AC	132	139	139	156	156	179	179	
AD	105	172	172	182	182	193	193	
ADS	105	172	172	182	182	193	193	
L	438	449	474	483	514	516	536	
LS	493	517	542	564	595	609	629	
LB	185	196	221	230	261	263	283	
LBS	240	264	289	311	342	356	376	

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KF57..

33 308 00 15

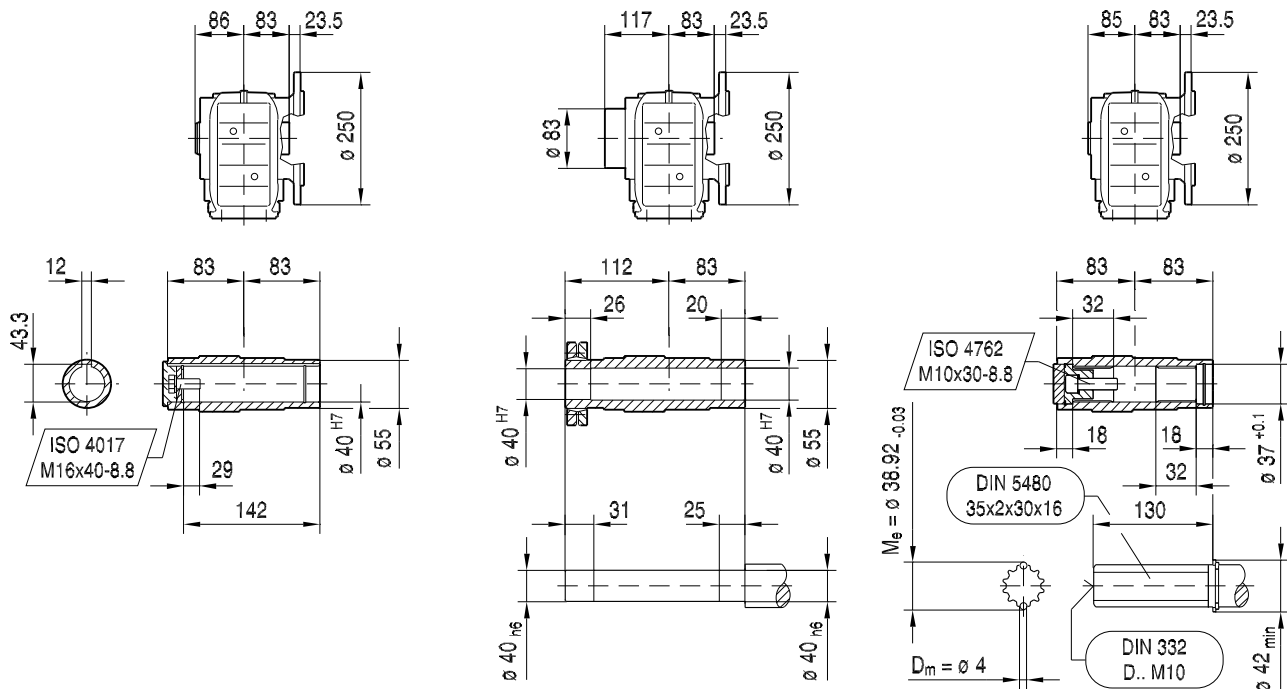


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KAF57..

KHF57..

KVF57..

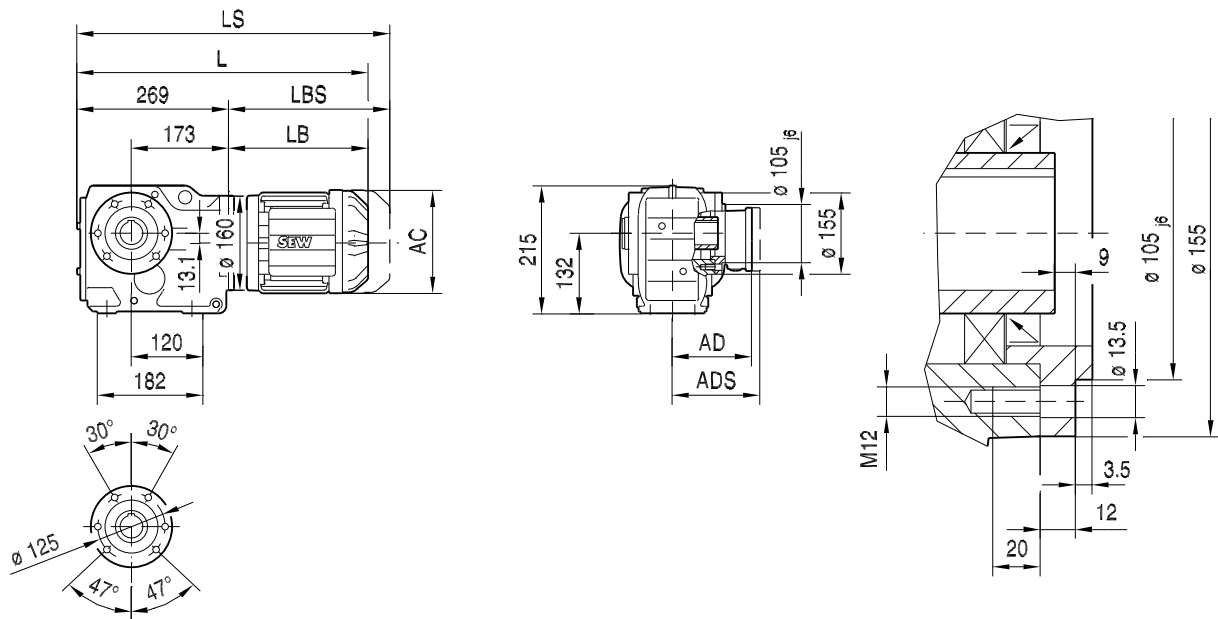


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(→ 144)	ER63..	DRK71S	DRK71M	DRK80S	DRK80M	DRK90M	DRK90L	
AC	132	139	139	156	156	179	179	
AD	105	172	172	182	182	193	193	
ADS	105	172	172	182	182	193	193	
L	454	465	490	499	530	532	552	
LS	509	533	558	580	611	625	645	
LB	185	196	221	230	261	263	283	
LBS	240	264	289	311	342	356	376	

KAZ57..

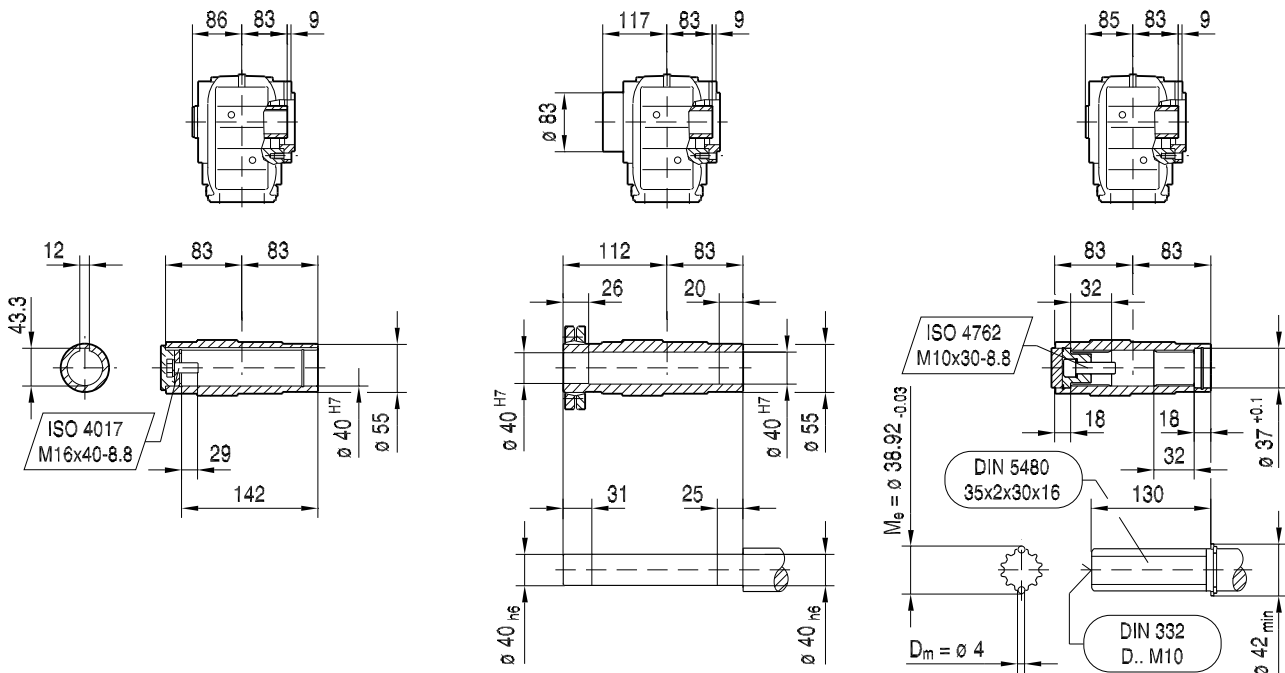
33 310 00 15



KAZ57..

KHZ57..

KVZ57..



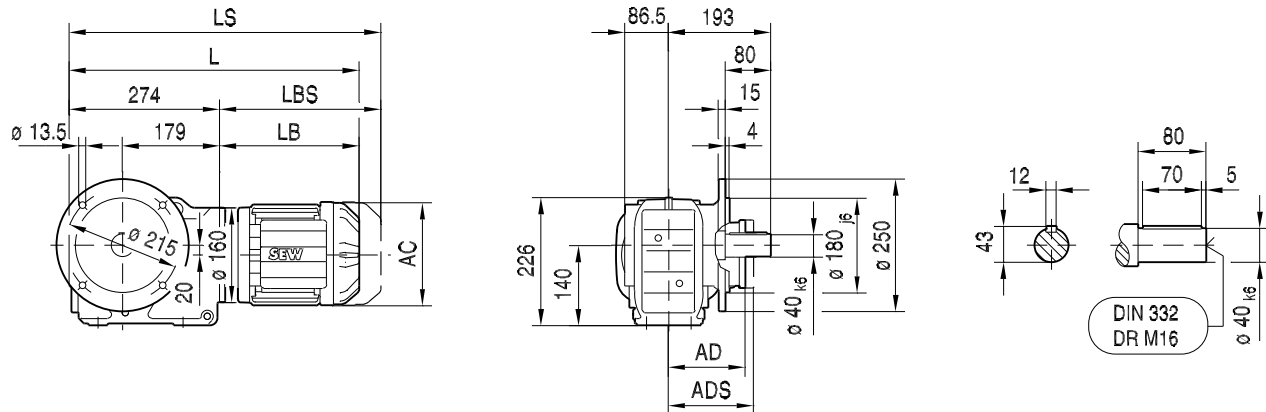
20272537/DE – 11/2015

(→ 144)	ER63..	DRK71S	DRK71M	DRK80S	DRK80M	DRK90M	DRK90L	
AC	132	139	139	156	156	179	179	
AD	105	172	172	182	182	193	193	
ADS	105	172	172	182	182	193	193	
L	454	465	490	499	530	532	552	
LS	509	533	558	580	611	625	645	
LB	185	196	221	230	261	263	283	
LBS	240	264	289	311	342	356	376	

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KF67..

33 314 00 15

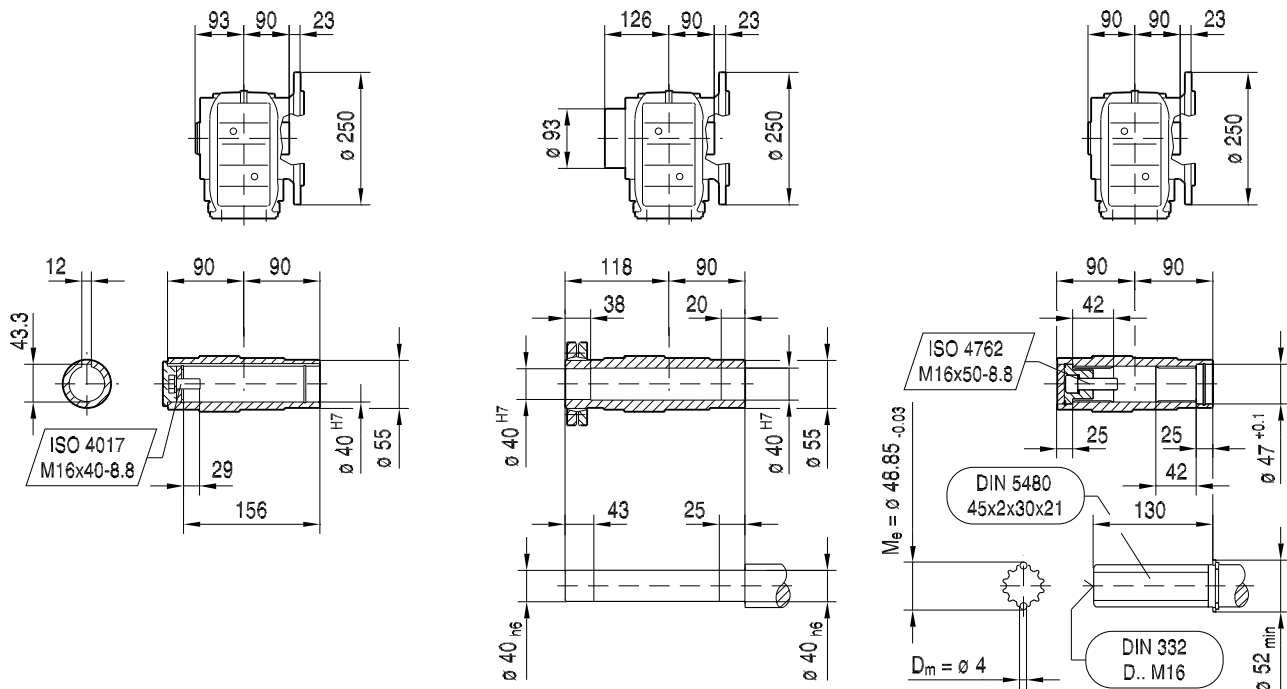


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KAF67..

KHF67..

KVF67..

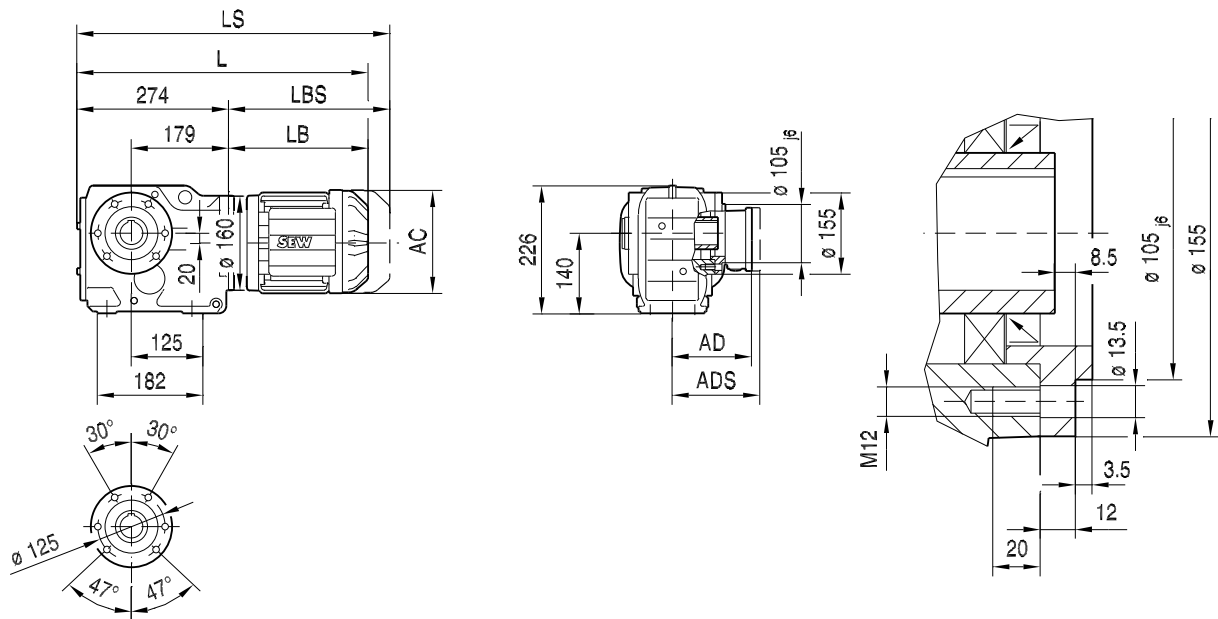


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(→ 144)	DRK71S	DRK71M	DRK80S	DRK80M	DRK90M	DRK90L		
AC	139	139	156	156	179	179		
AD	172	172	182	182	193	193		
ADS	172	172	182	182	193	193		
L	470	495	504	535	537	557		
LS	538	563	585	616	630	650		
LB	196	221	230	261	263	283		
LBS	264	289	311	342	356	376		

KAZ67..

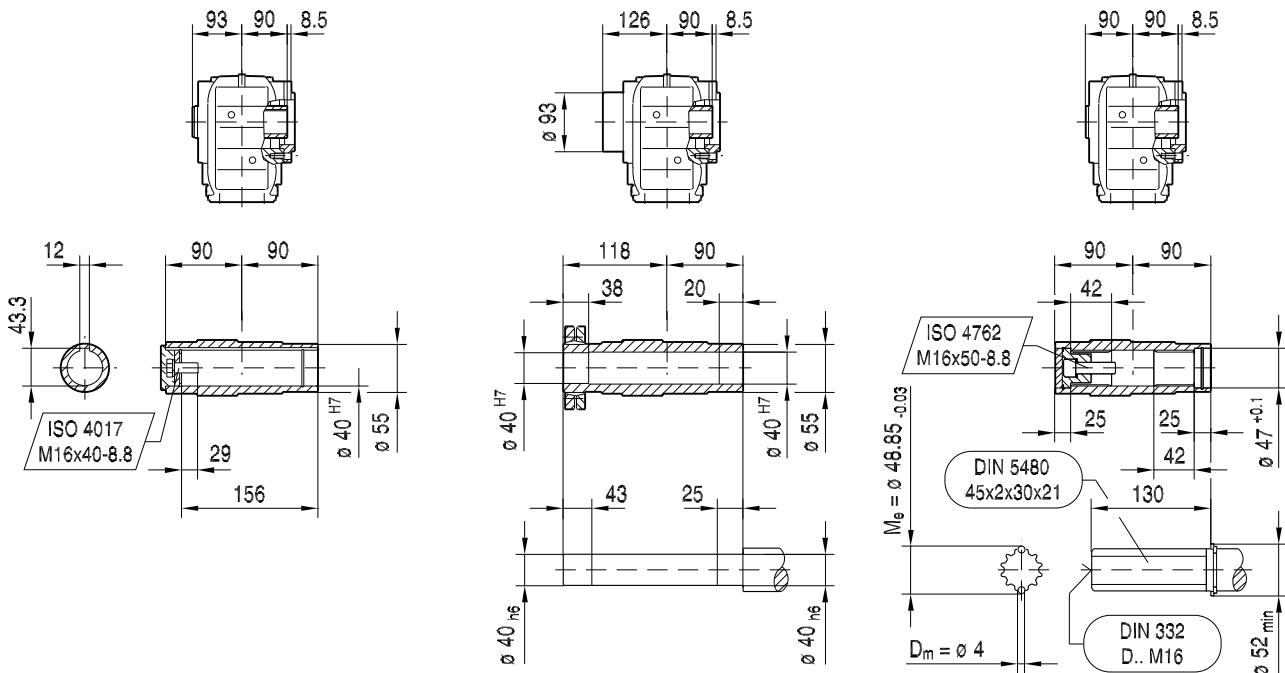
33 316 00 15



KAZ67..

KHZ67..

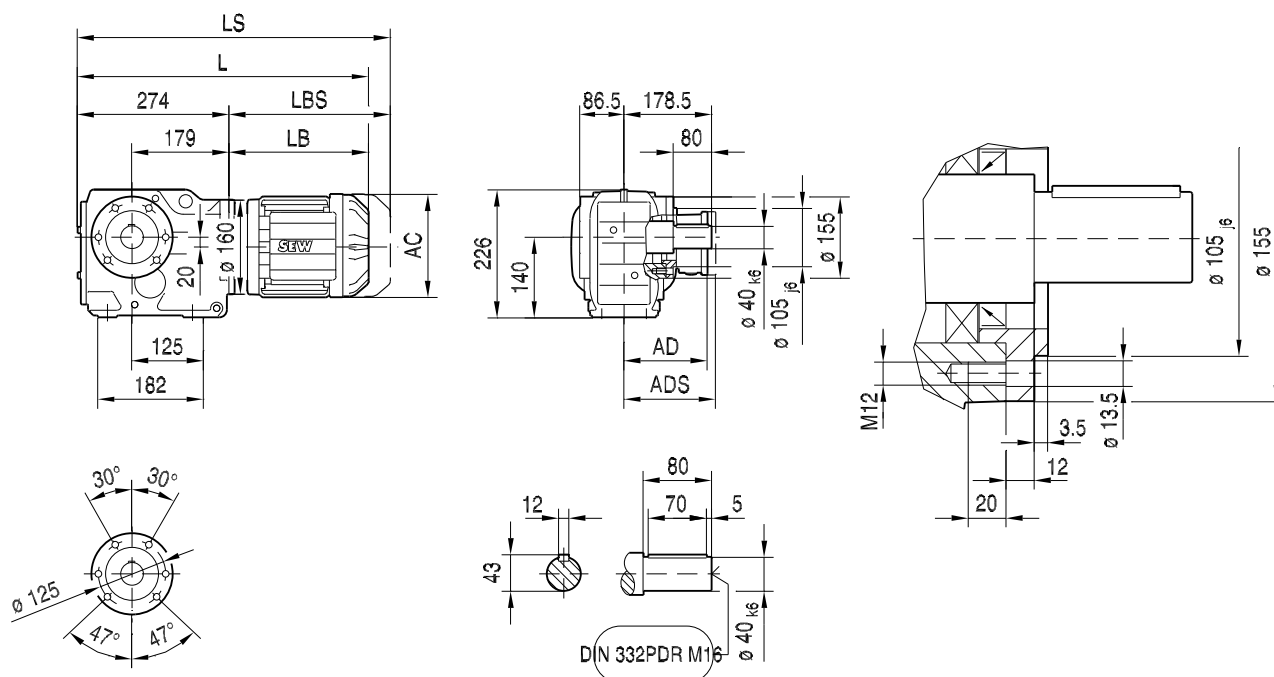
KVZ67..



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(→ 144)	DRK71S	DRK71M	DRK80S	DRK80M	DRK90M	DRK90L		
AC	139	139	156	156	179	179		
AD	172	172	182	182	193	193		
ADS	172	172	182	182	193	193		
L	470	495	504	535	537	557		
LS	538	563	585	616	630	650		
LB	196	221	230	261	263	283		
LBS	264	289	311	342	356	376		

33 317 00 15

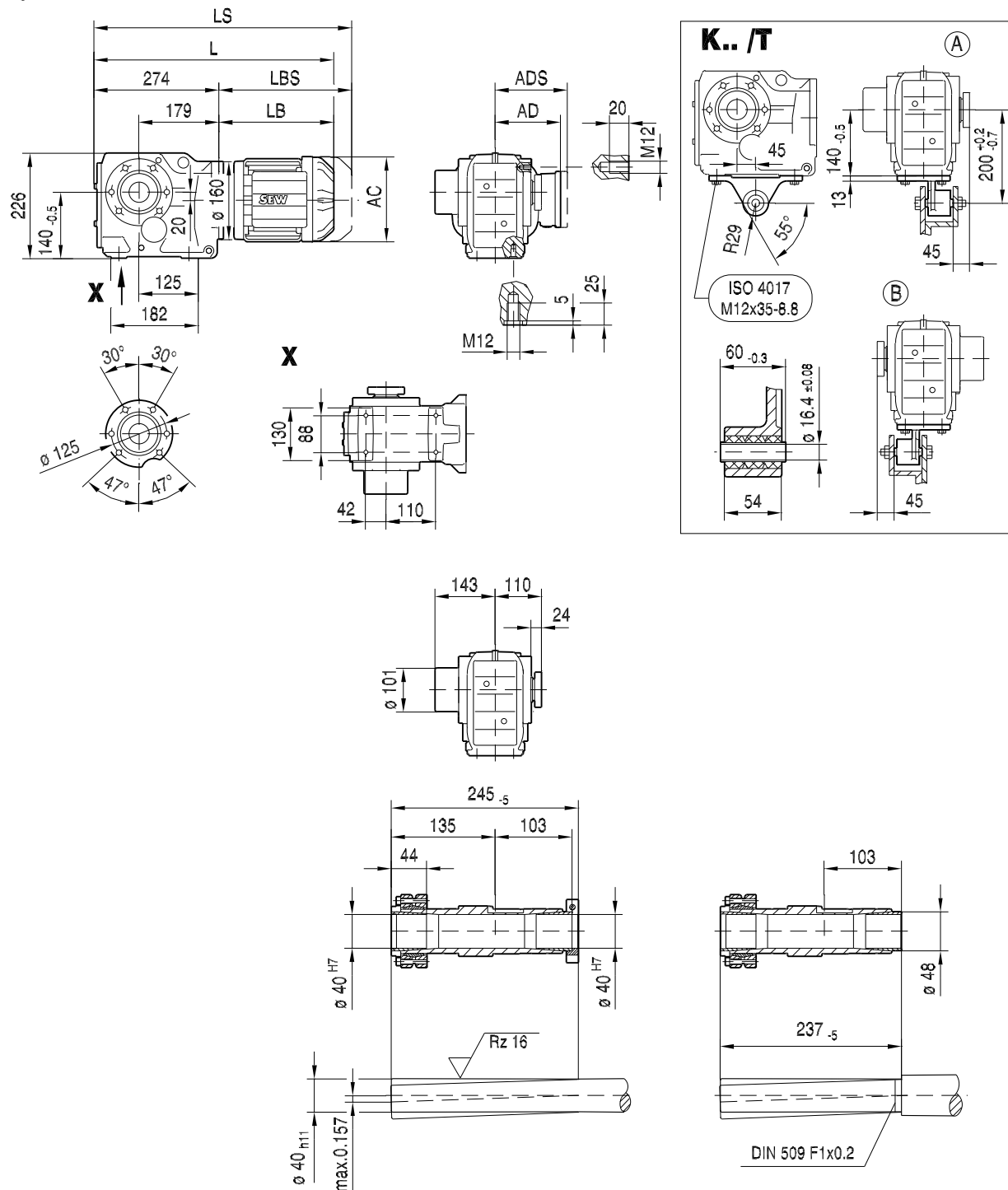
KZ67..

(→ 144)	DRK71S	DRK71M	DRK80S	DRK80M	DRK90M	DRK90L		
AC	139	139	156	156	179	179		
AD	172	172	182	182	193	193		
ADS	172	172	182	182	193	193		
L	470	495	504	535	537	557		
LS	538	563	585	616	630	650		
LB	196	221	230	261	263	283		
LBS	264	289	311	342	356	376		

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KT67..

33 318 00 15

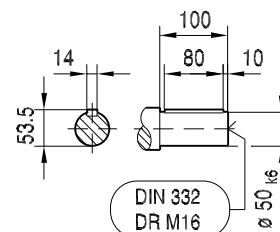
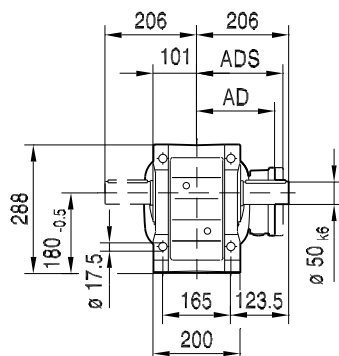
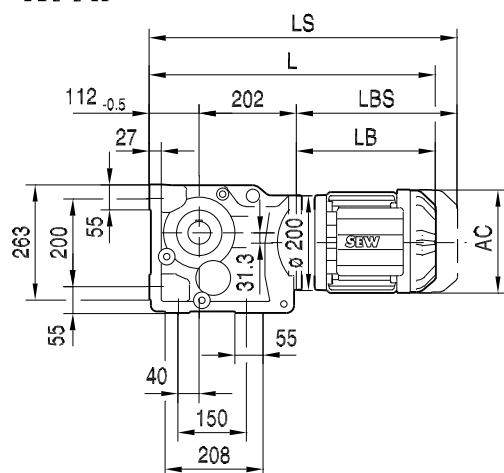
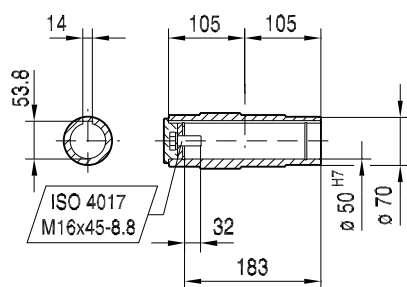
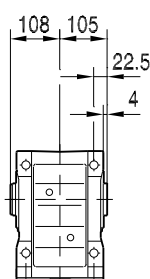
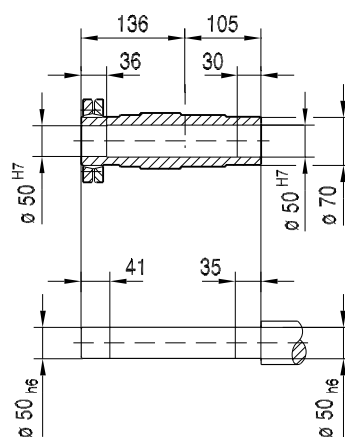
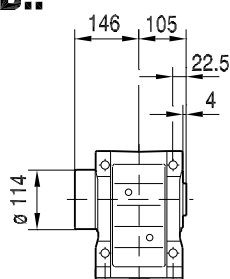
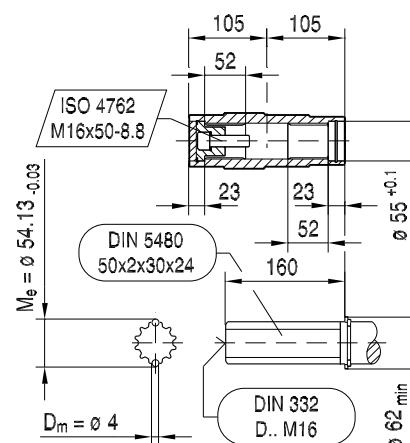
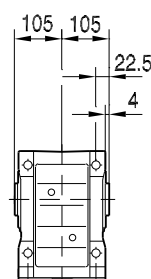


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(→ 144)	DRK71S	DRK71M	DRK80S	DRK80M	DRK90M	DRK90L		
AC	139	139	156	156	179	179		
AD	172	172	182	182	193	193		
ADS	172	172	182	182	193	193		
L	470	495	504	535	537	557		
LS	538	563	585	616	630	650		
LB	196	221	230	261	263	283		
LBS	264	289	311	342	356	376		

33 319 00 15

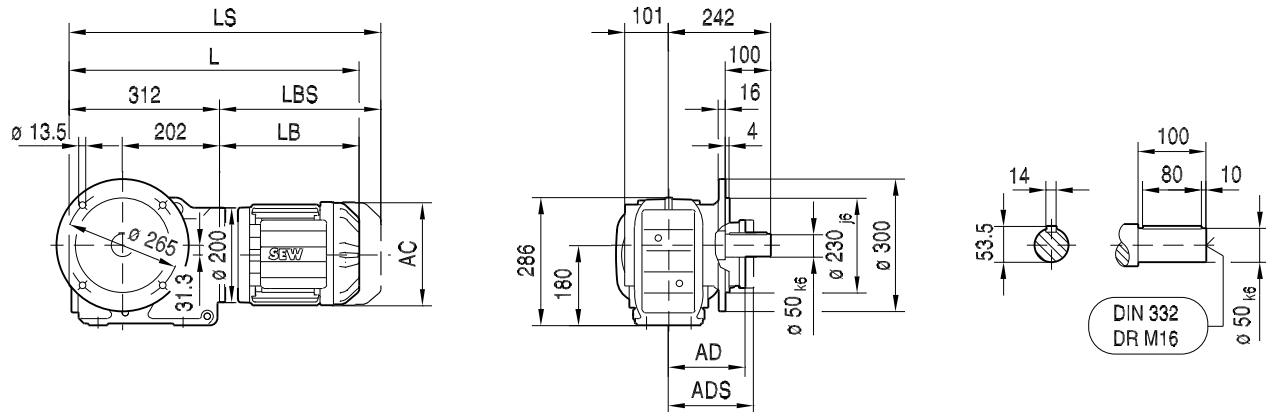
K77..**KA77B..****KH77B..****KV77B..**

(→ 144)	DRK80S	DRK80M	DRK90M	DRK90L				
AC	156	156	179	179				
AD	182	182	193	193				
ADS	182	182	193	193				
L	537	568	570	590				
LS	618	649	663	683				
LB	223	254	256	276				
LBS	304	335	349	369				

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KF77..

33 320 00 15

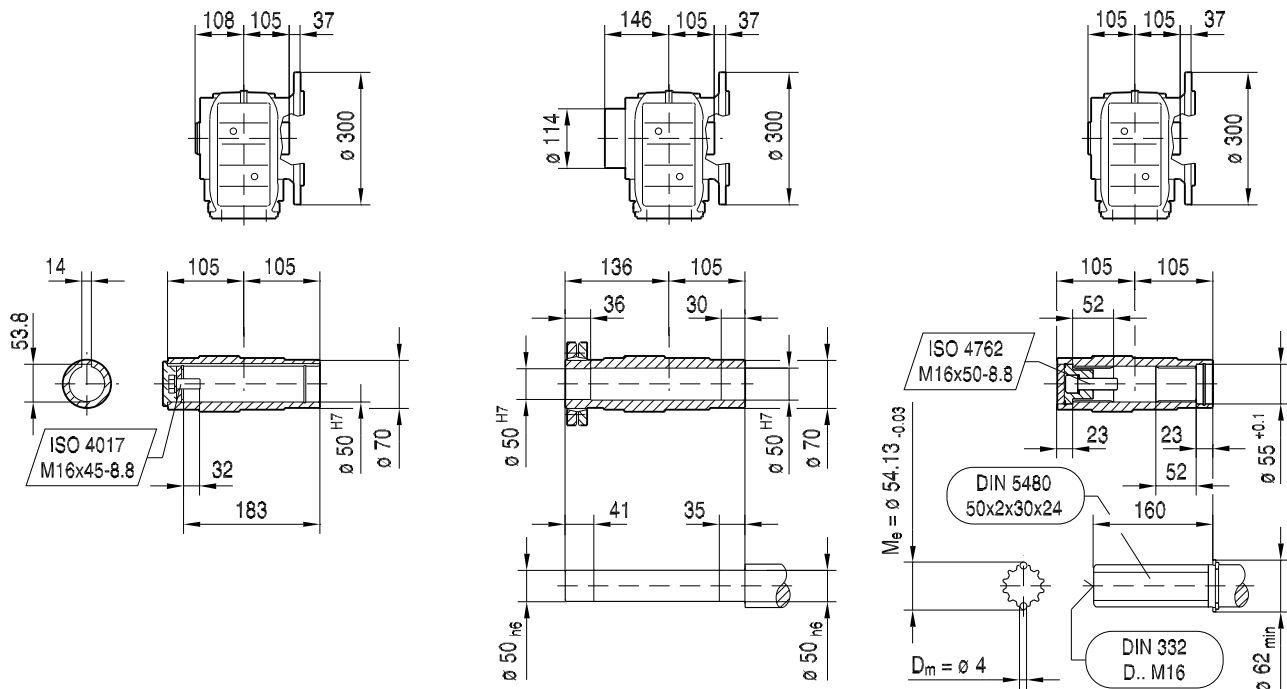


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KAF77..

KHF77..

KVF77..

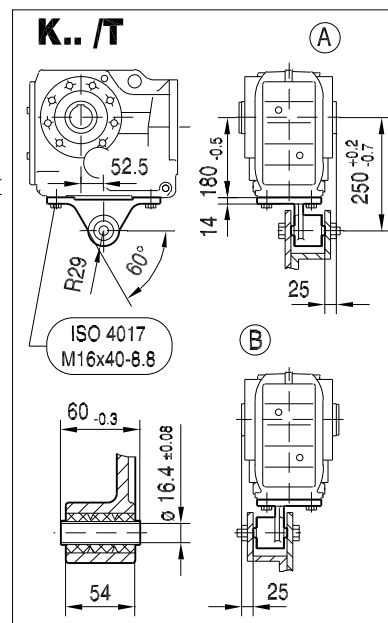
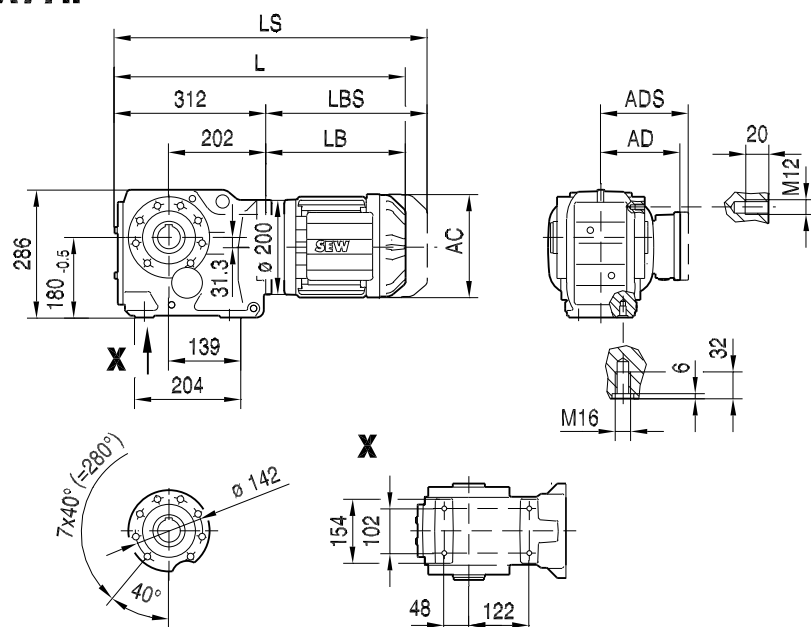


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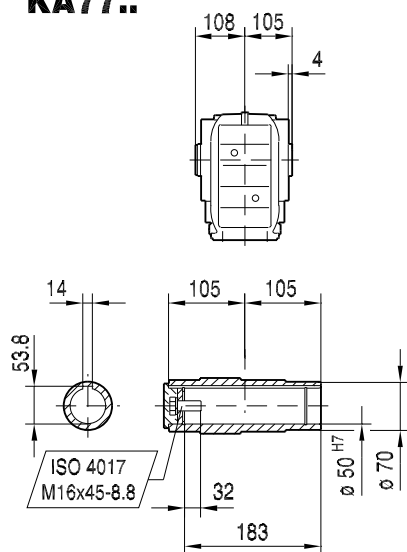
(→ 144)	DRK80S	DRK80M	DRK90M	DRK90L				
AC	156	156	179	179				
AD	182	182	193	193				
ADS	182	182	193	193				
L	535	566	568	588				
LS	616	647	661	681				
LB	223	254	256	276				
LBS	304	335	349	369				

33 321 00 15

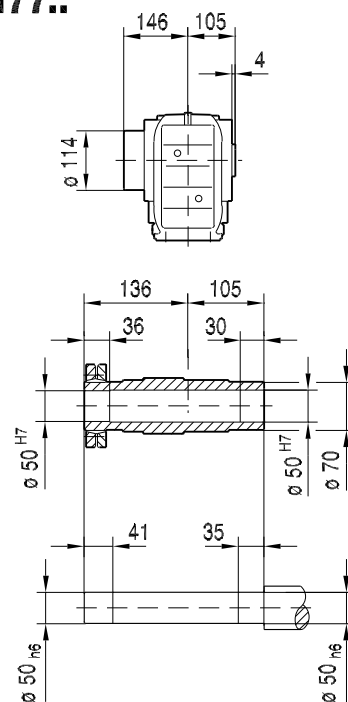
KA77..



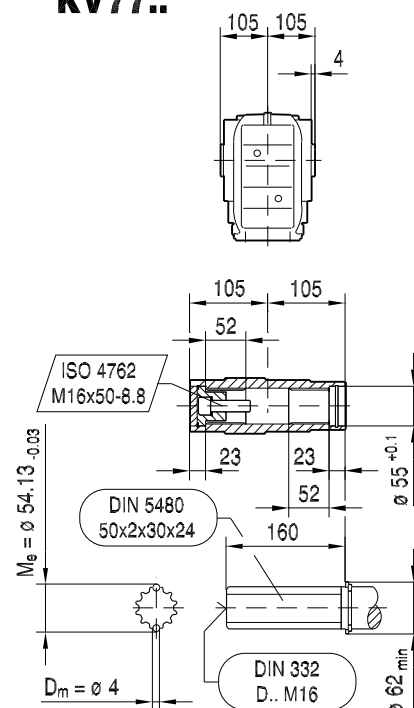
KA77..



KH77..



KV77..

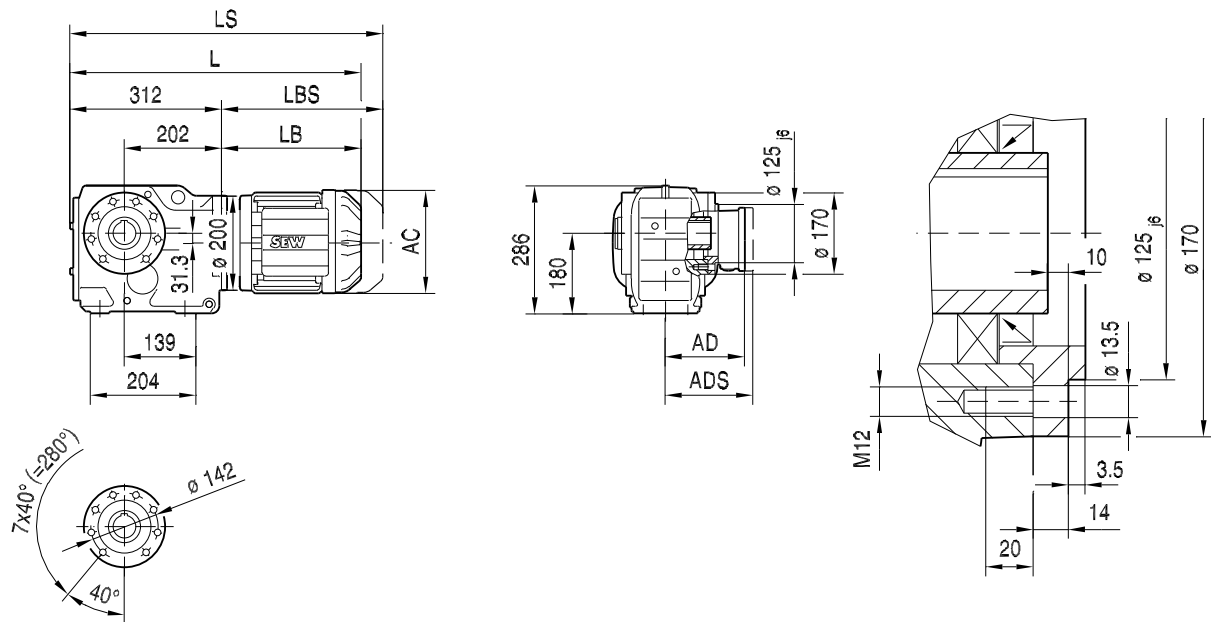


(→ 144)	DRK80S	DRK80M	DRK90M	DRK90L				
AC	156	156	179	179				
AD	182	182	193	193				
ADS	182	182	193	193				
L	535	566	568	588				
LS	616	647	661	681				
LB	223	254	256	276				
LBS	304	335	349	369				

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KAZ77..

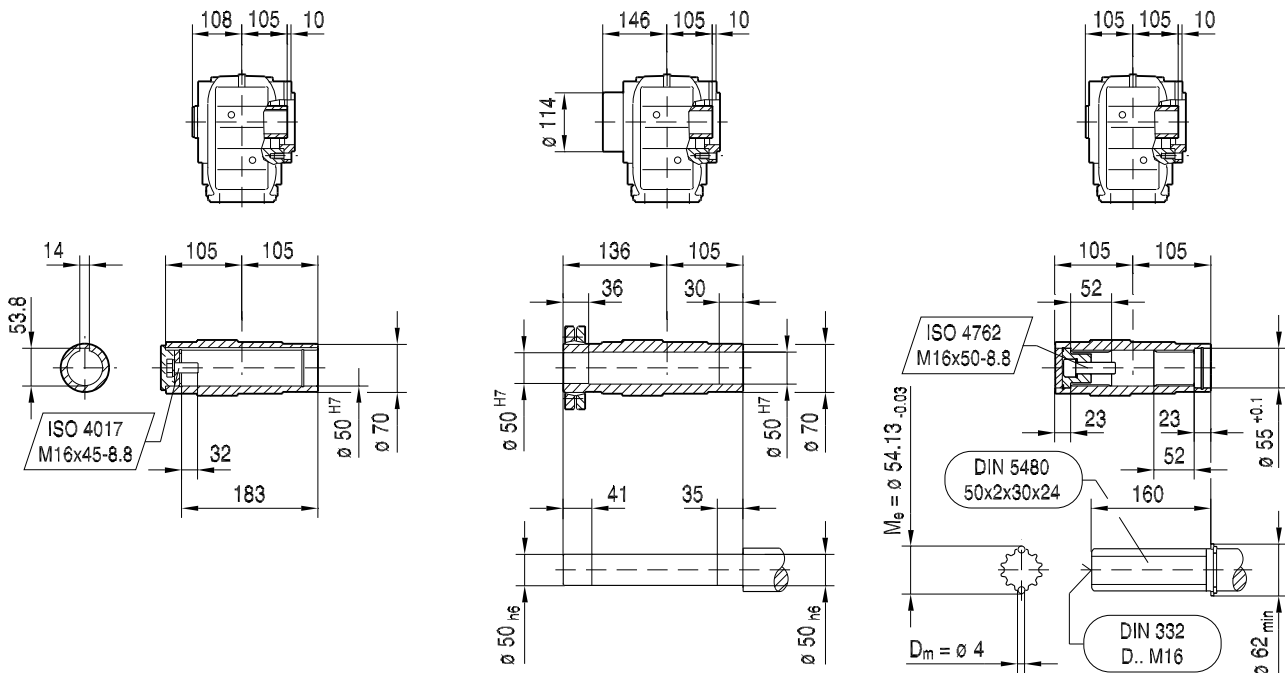
33 322 00 15



KAZ77..

KHZ77..

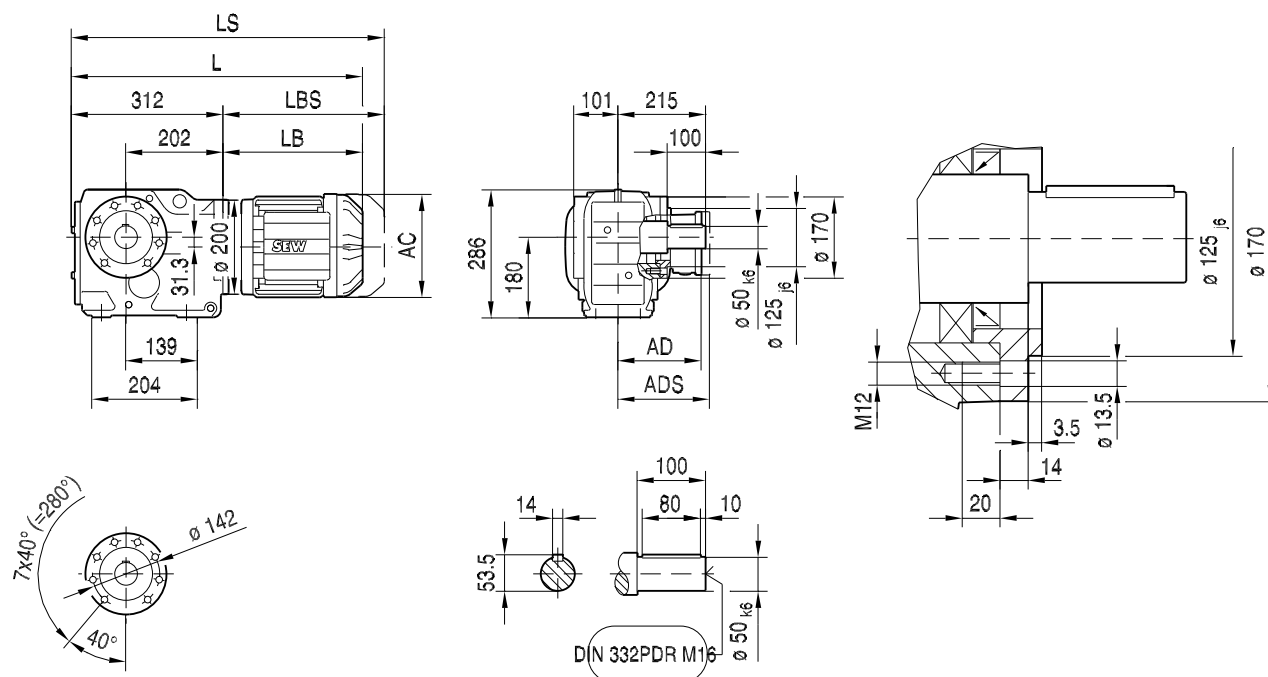
KVZ77..



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(→ 144)	DRK80S	DRK80M	DRK90M	DRK90L				
AC	156	156	179	179				
AD	182	182	193	193				
ADS	182	182	193	193				
L	535	566	568	588				
LS	616	647	661	681				
LB	223	254	256	276				
LBS	304	335	349	369				

33 323 00 15

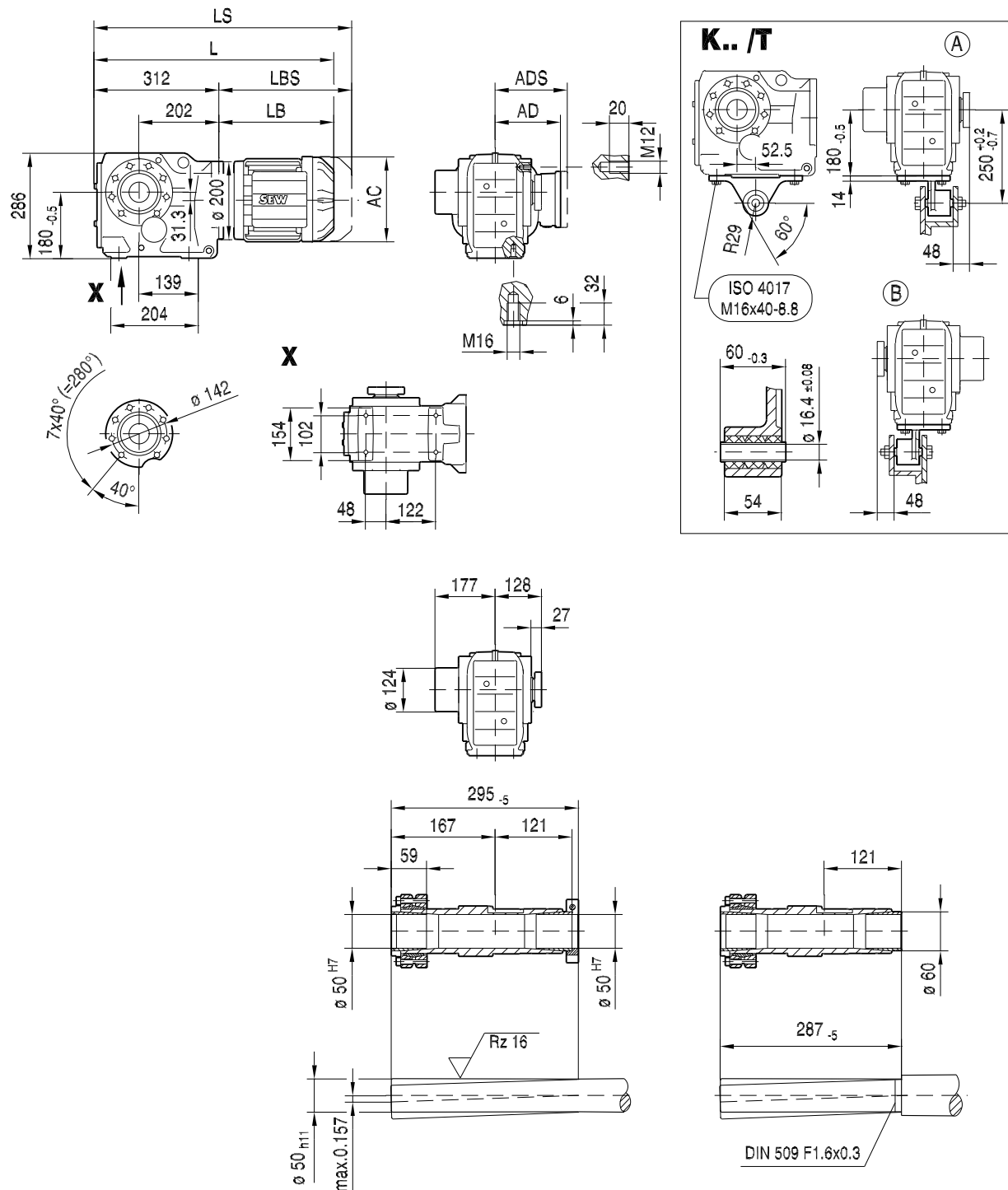
KZ77..

(→ 144)	DRK80S	DRK80M	DRK90M	DRK90L				
AC	156	156	179	179				
AD	182	182	193	193				
ADS	182	182	193	193				
L	535	566	568	588				
LS	616	647	661	681				
LB	223	254	256	276				
LBS	304	335	349	369				

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KT77..

33 324 00 15

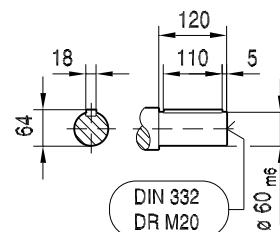
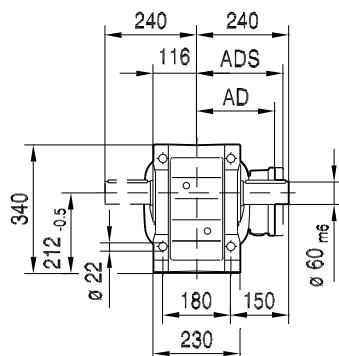
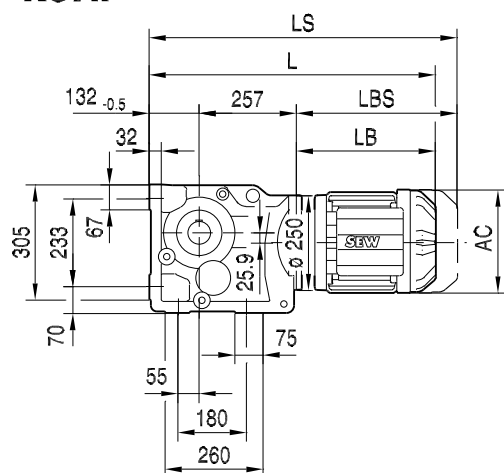
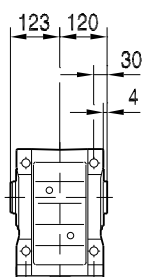
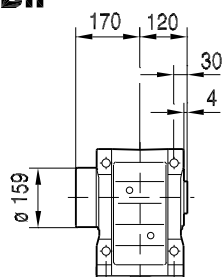
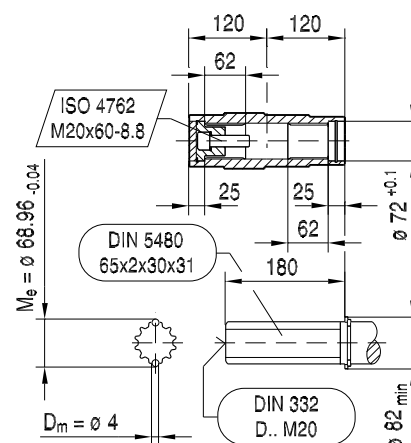
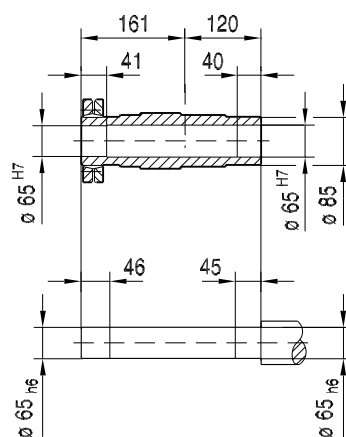
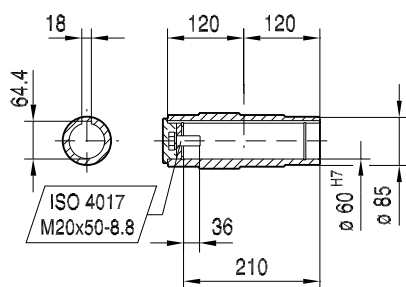
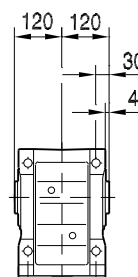


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(→ 144)	DRK80S	DRK80M	DRK90M	DRK90L				
AC	156	156	179	179				
AD	182	182	193	193				
ADS	182	182	193	193				
L	535	566	568	588				
LS	616	647	661	681				
LB	223	254	256	276				
LBS	304	335	349	369				

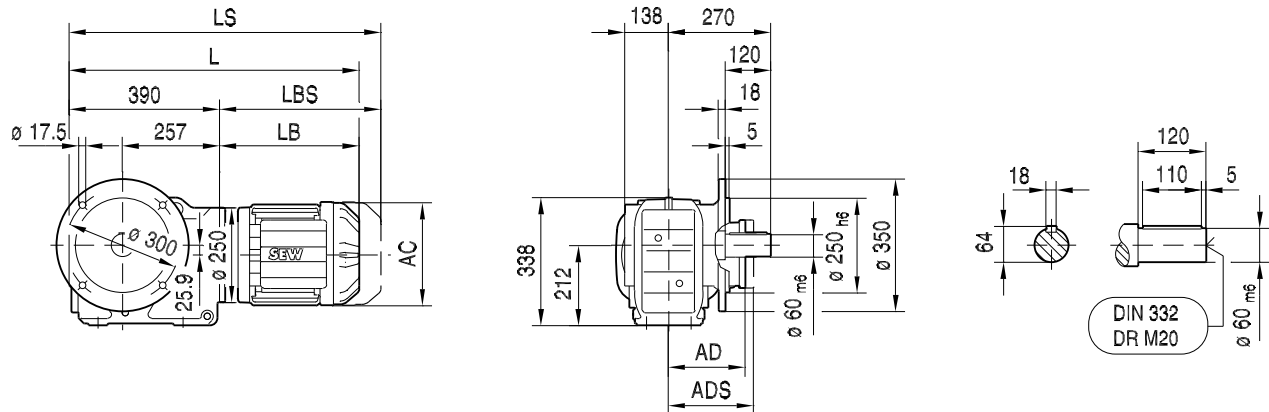
33 325 00 15

K87..**KA87B..****KH87B..****KV87B..**

(→ 144)	DRK90M	DRK90L						
AC	179	179						
AD	193	193						
ADS	193	193						
L	640	660						
LS	733	753						
LB	251	271						
LBS	344	364						

KF87..

33 326 00 15

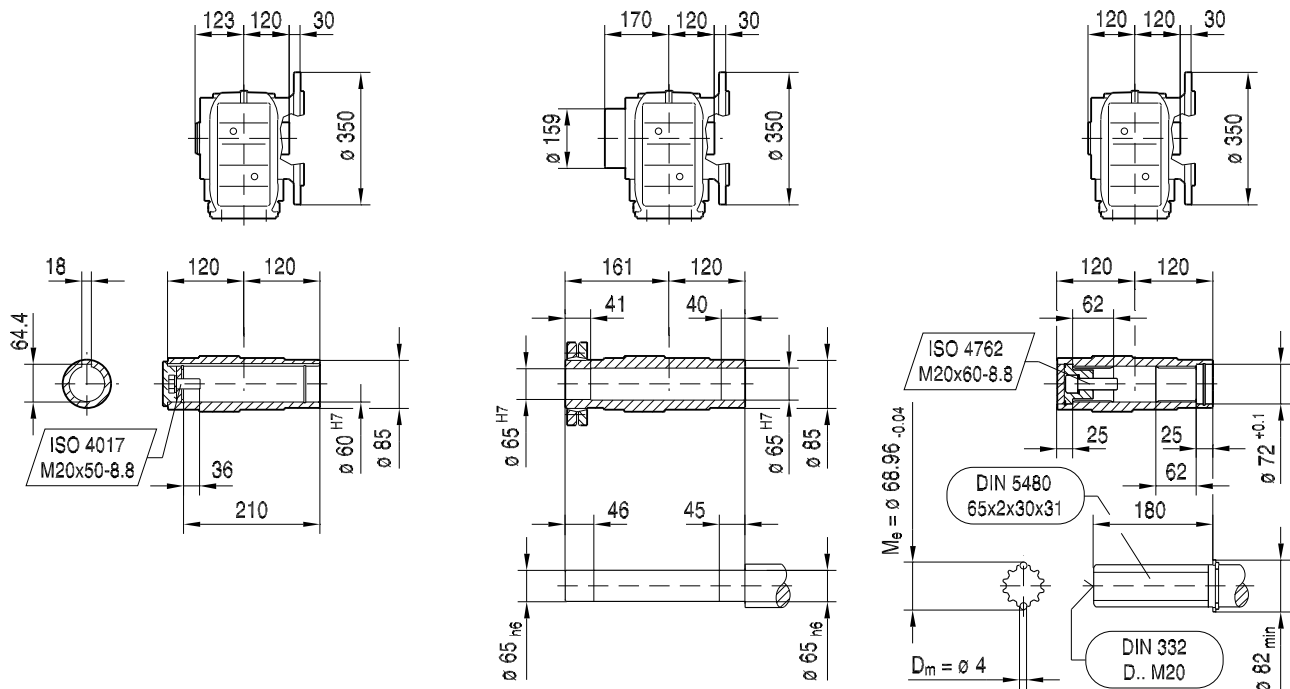


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KAF87..

KHF87..

KVF87..

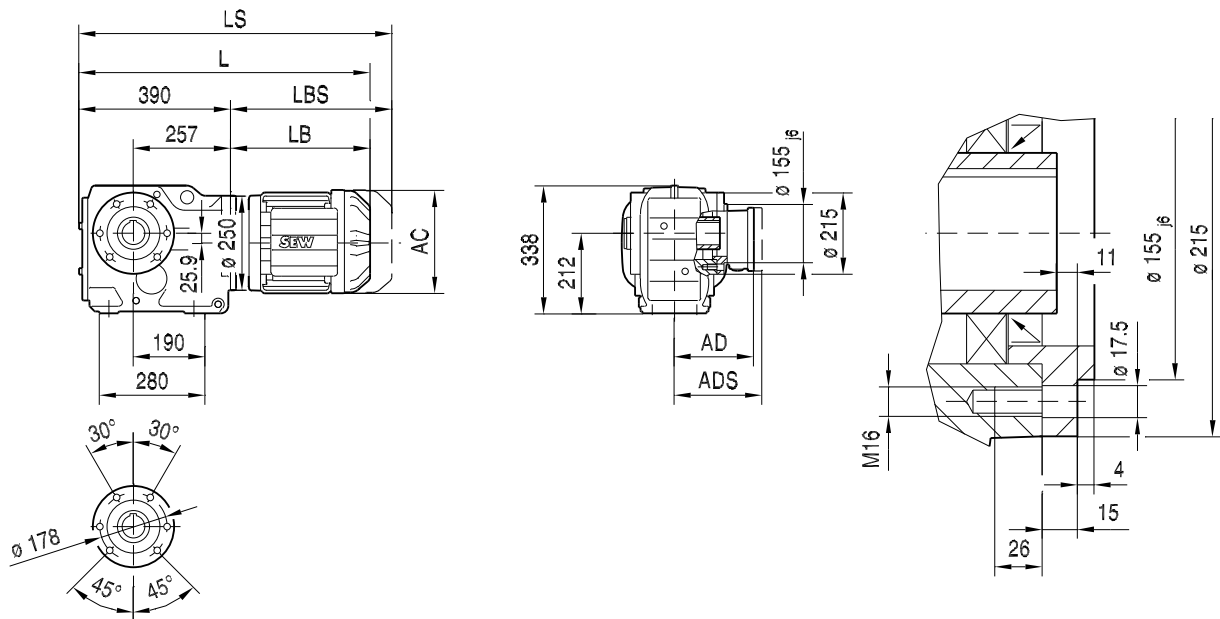


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(→ 144)	DRK90M	DRK90L						
AC	179	179						
AD	193	193						
ADS	193	193						
L	641	661						
LS	734	754						
LB	251	271						
LBS	344	364						

KAZ87..

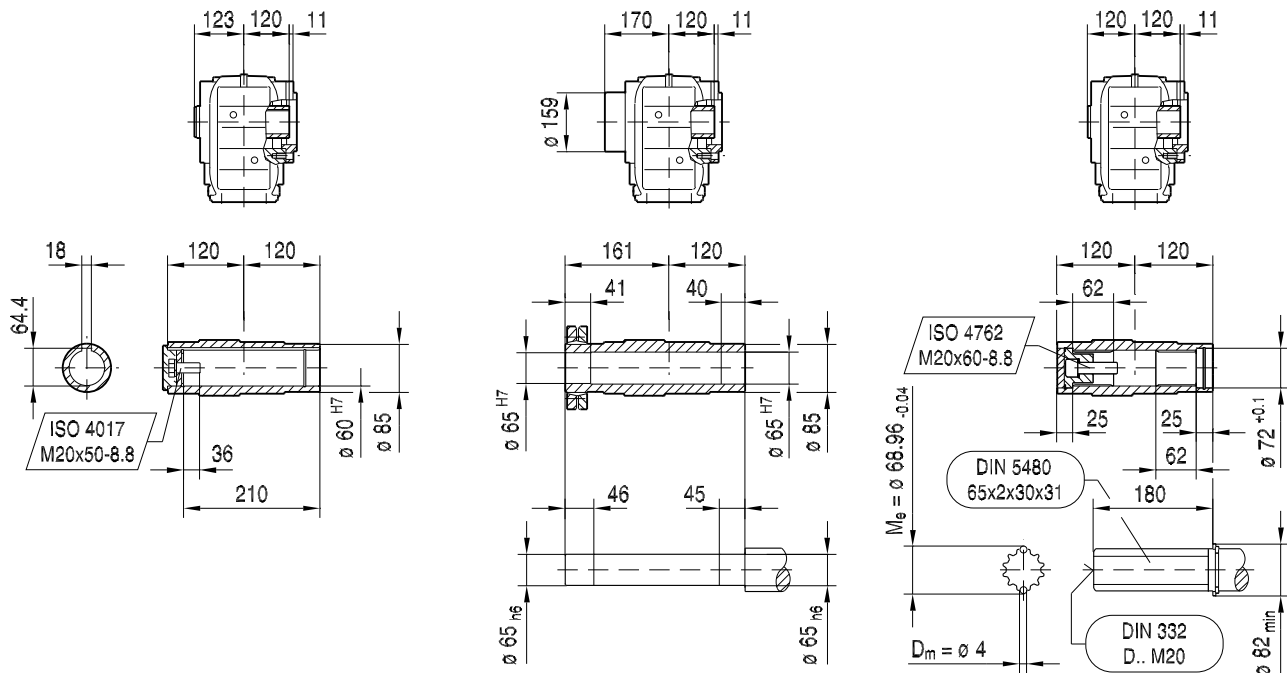
33 328 00 15



KAZ87..

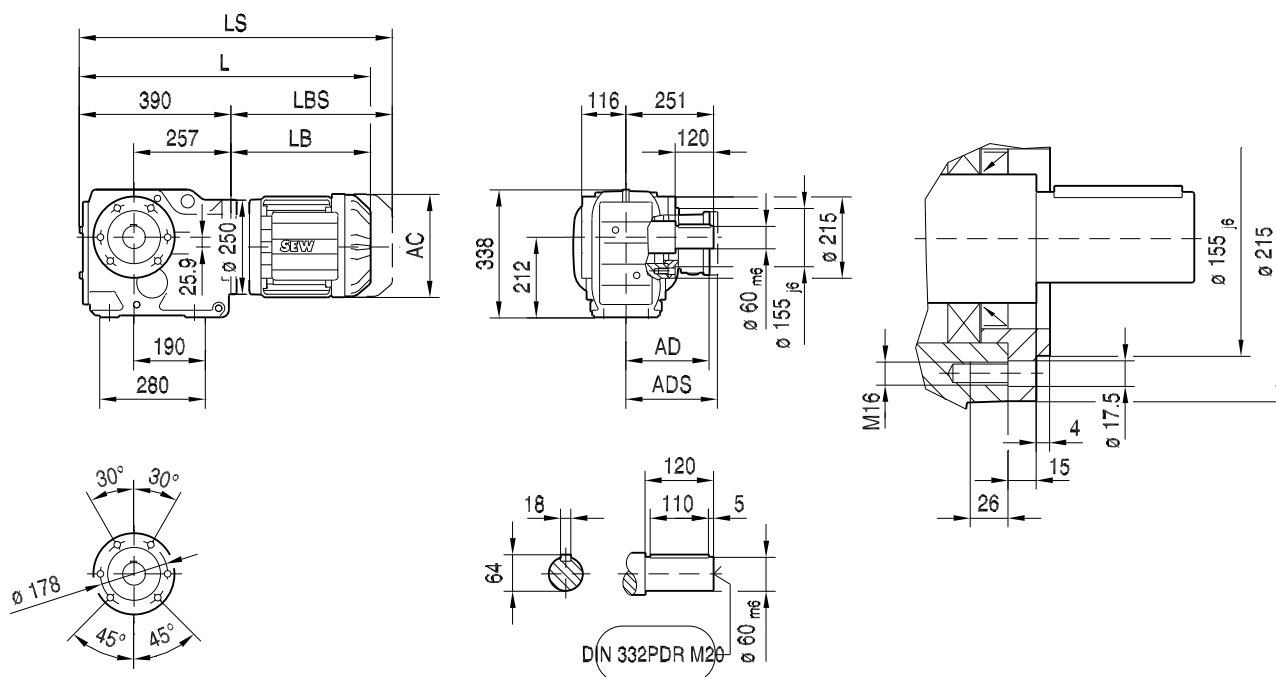
KHZ87..

KVZ87..



(→ 144)	DRK90M	DRK90L						
AC	179	179						
AD	193	193						
ADS	193	193						
L	641	661						
LS	734	754						
LB	251	271						
LBS	344	364						

33 329 00 15

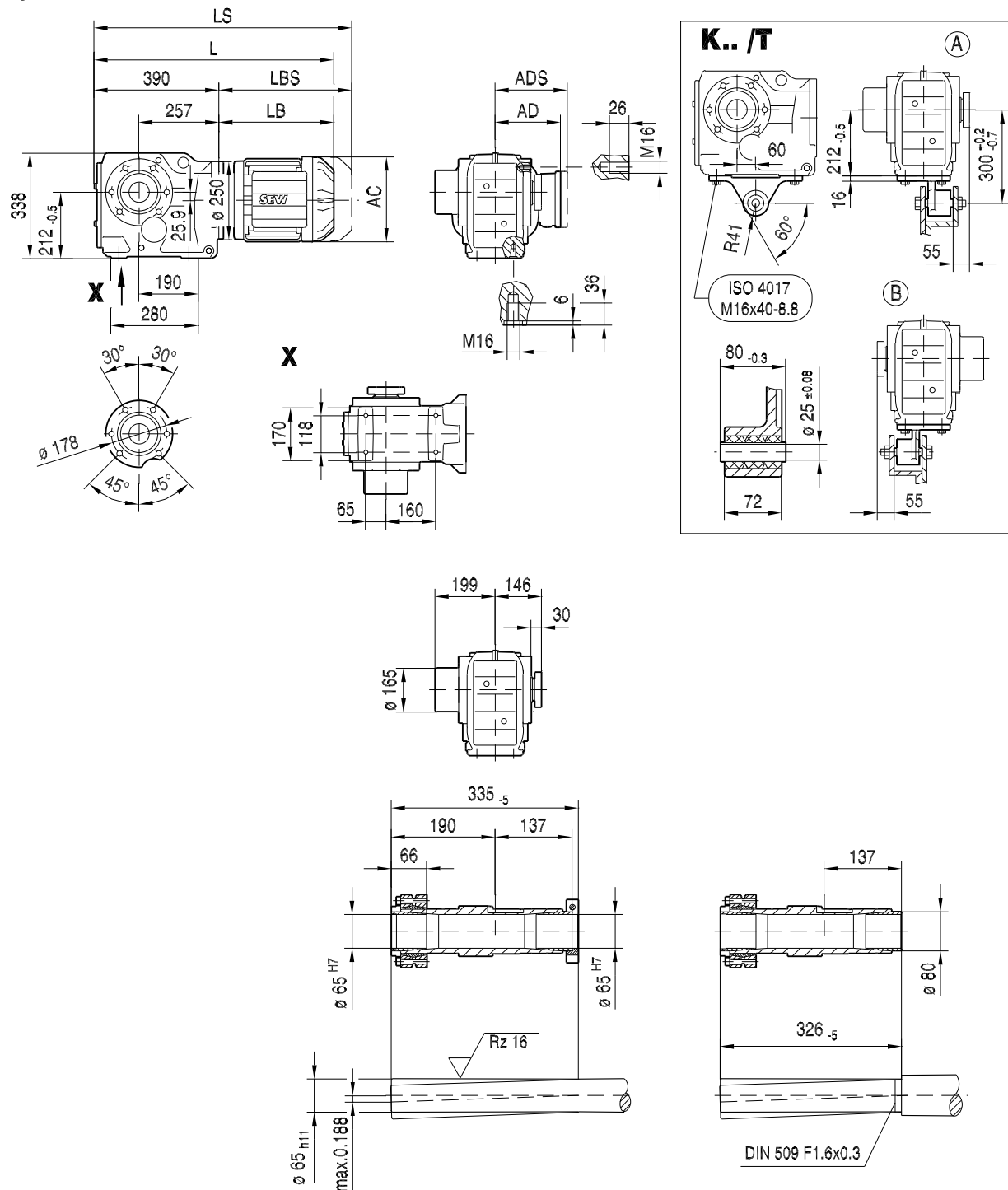
KZ87..

(→ 144)	DRK90M	DRK90L						
AC	179	179						
AD	193	193						
ADS	193	193						
L	641	661						
LS	734	754						
LB	251	271						
LBS	344	364						

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KT87..

33 330 00 15

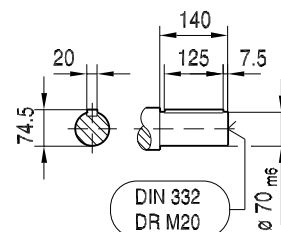
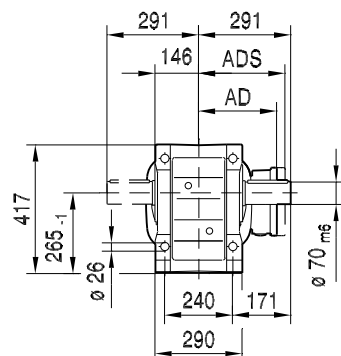
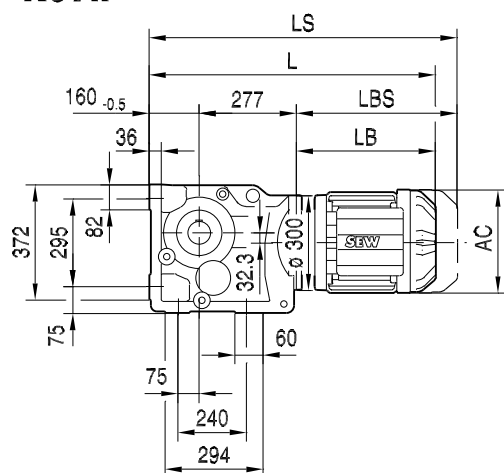
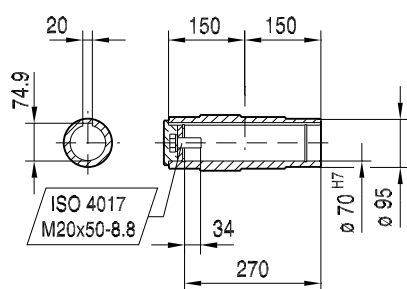
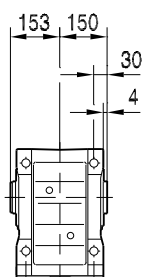
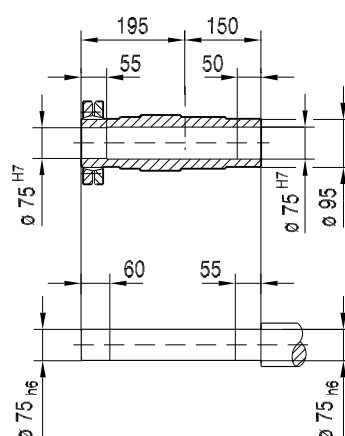
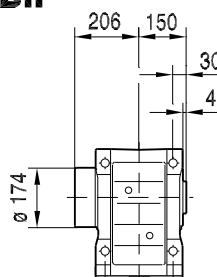
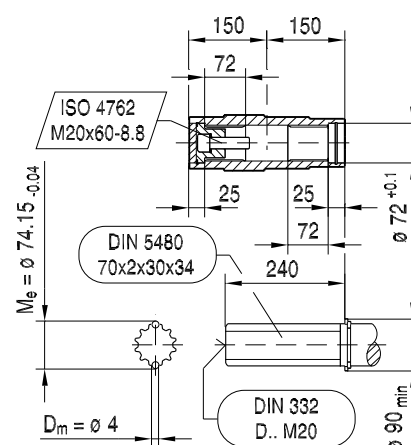
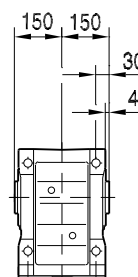


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(→ 144)	DRK90M	DRK90L						
AC	179	179						
AD	193	193						
ADS	193	193						
L	641	661						
LS	734	754						
LB	251	271						
LBS	344	364						

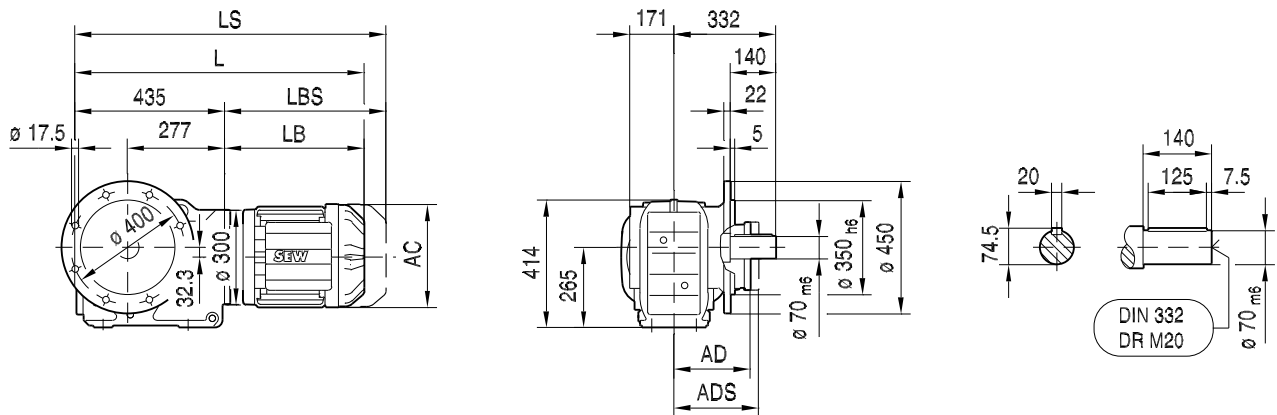
33 331 00 15

K97..**KA97B..****KH97B..****KV97B..**

(→ 144)	DRK90L							
AC	179							
AD	193							
ADS	193							
L	703							
LS	796							
LB	266							
LBS	359							

KF97..

33 332 00 15

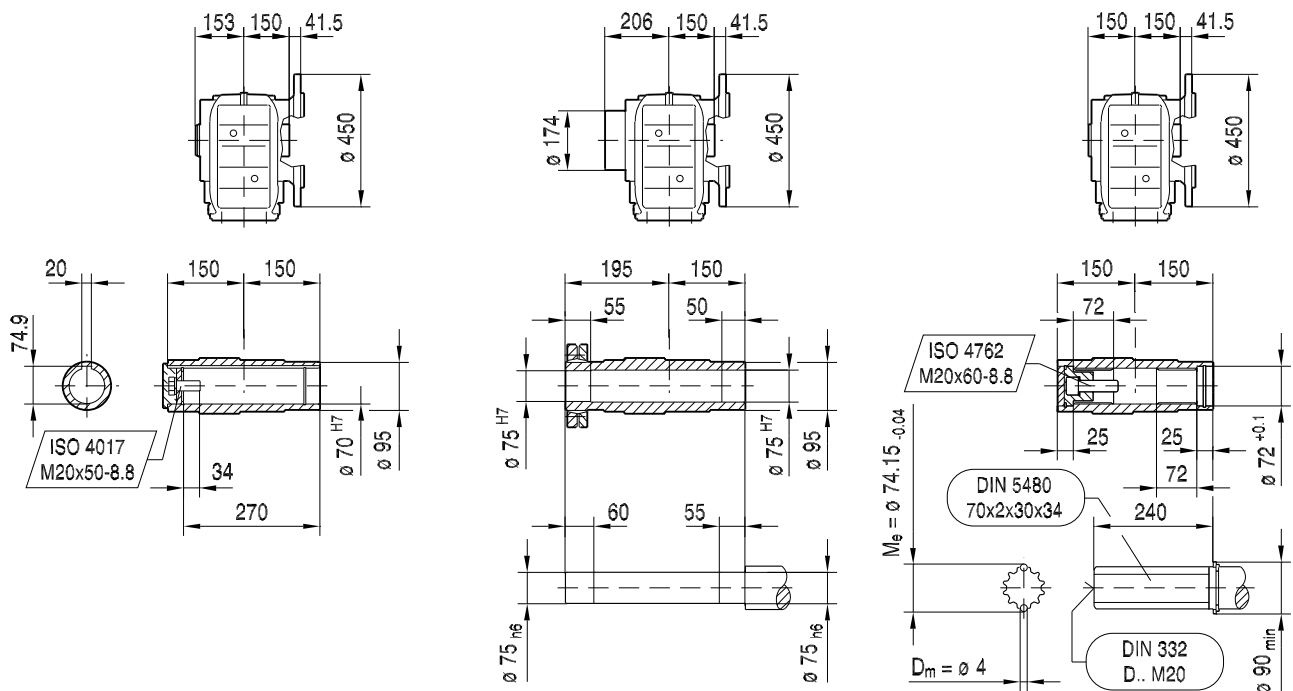


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KAF97..

KHF97..

KVF97..

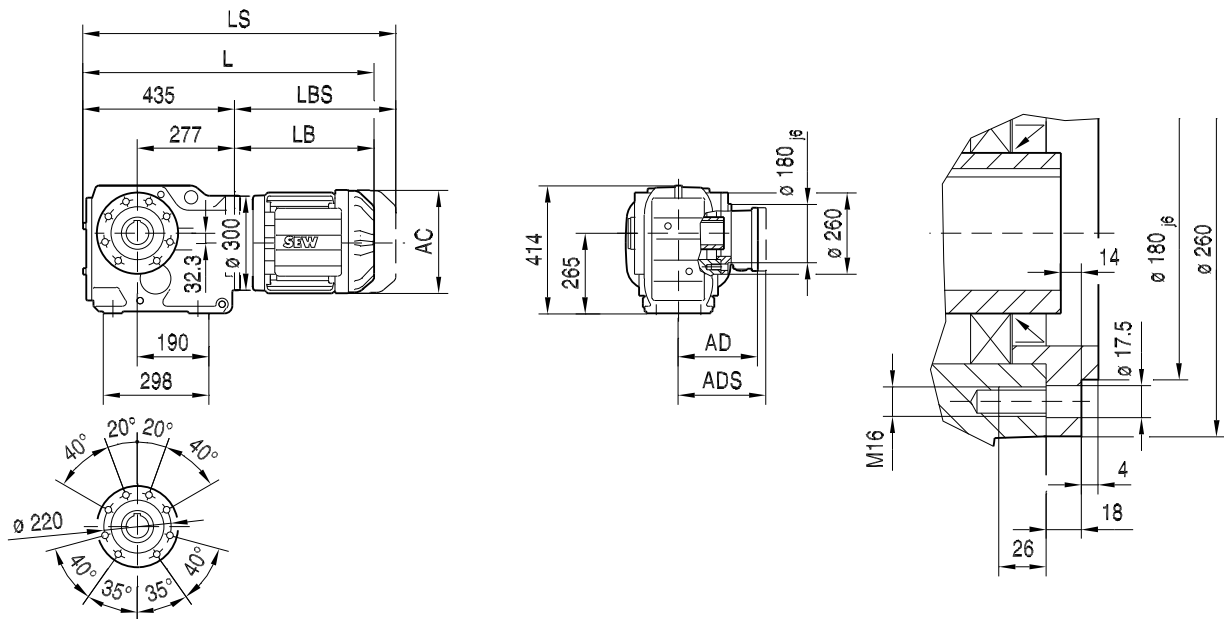


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(→ 144)	DRK90L							
AC	179							
AD	193							
ADS	193							
L	701							
LS	794							
LB	266							
LBS	359							

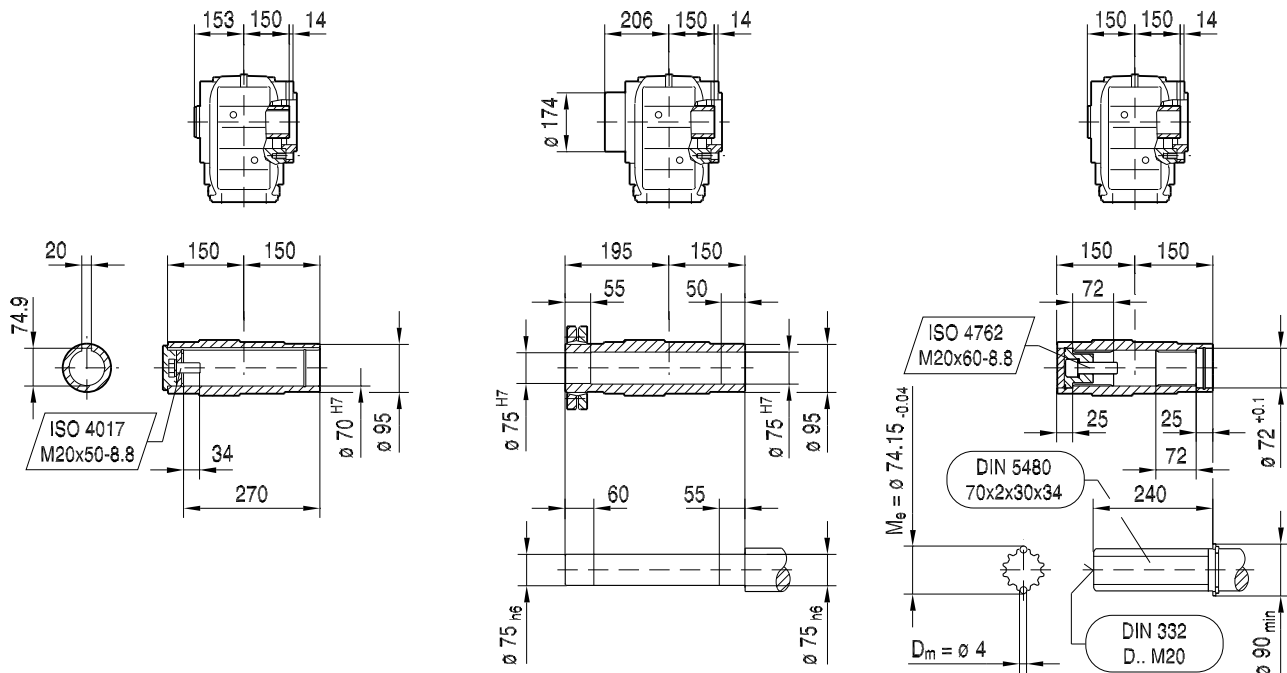
KAZ97..

33 334 00 15



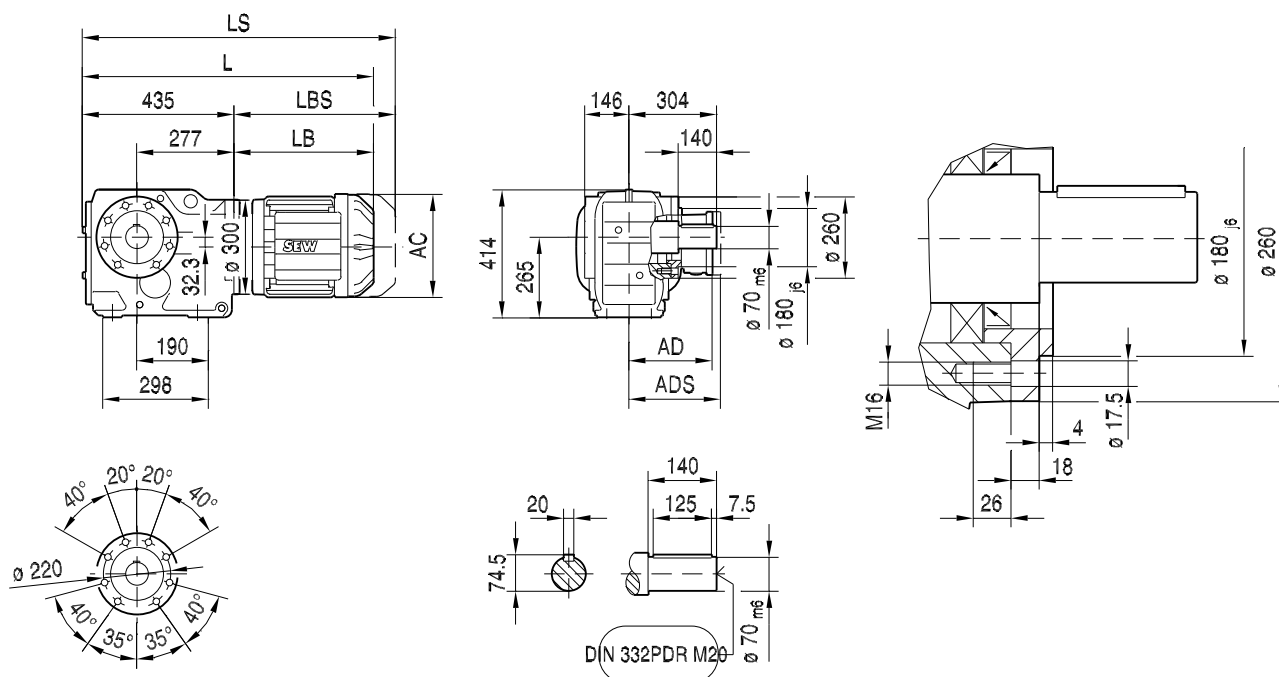
KAZ97..

KHZ97..

KVZ97..

(→ 📄 144)	DRK90L							
AC	179							
AD	193							
ADS	193							
L	701							
LS	794							
LB	266							
LBS	359							

33 335 00 15

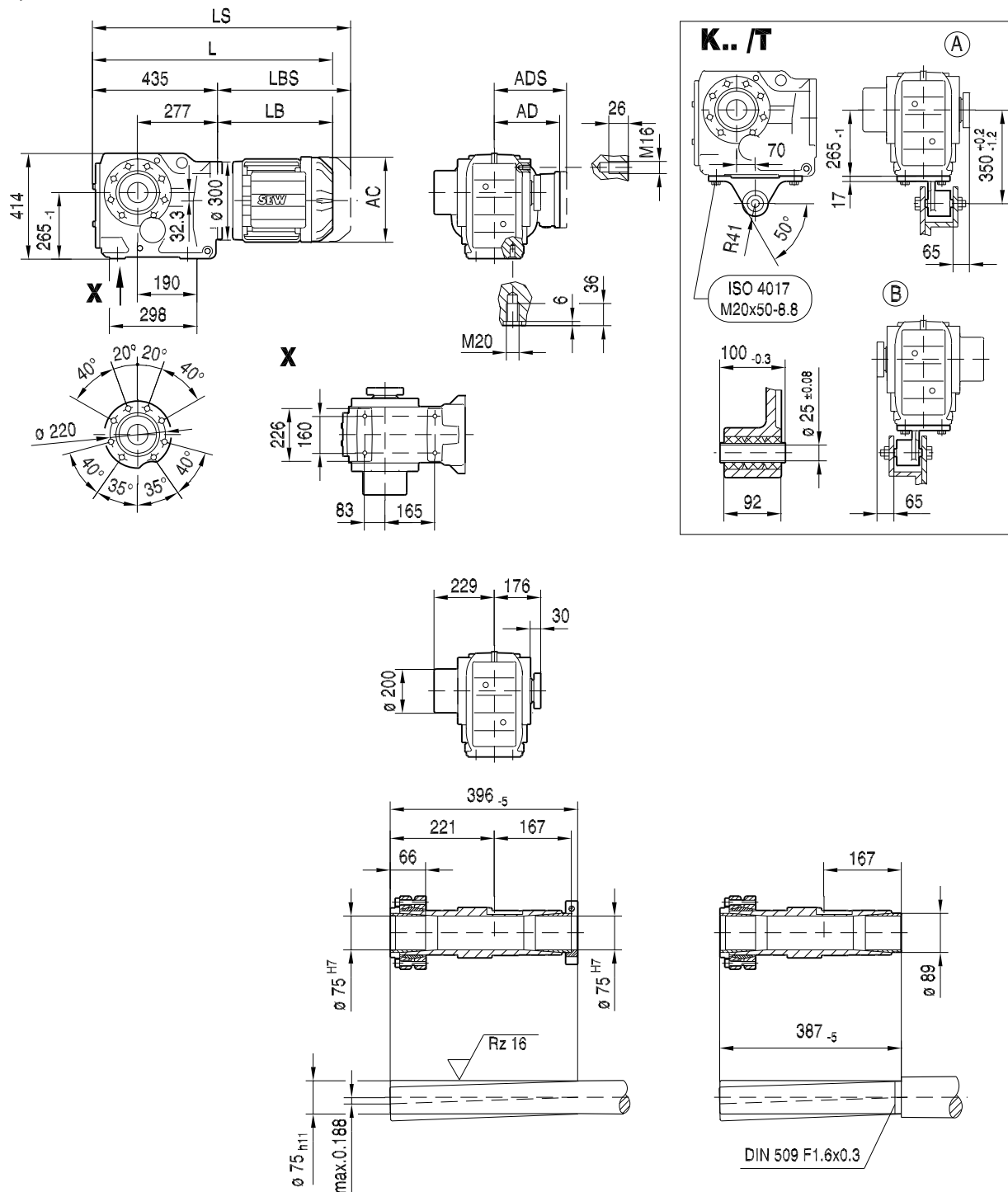
KZ97..

(→ 144)	DRK90L							
AC	179							
AD	193							
ADS	193							
L	701							
LS	794							
LB	266							
LBS	359							

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KT97..

33 336 00 15



10

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(→ 144)	DRK90L							
AC	179							
AD	193							
ADS	193							
L	701							
LS	794							
LB	266							
LBS	359							